DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
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MARINE CORPS ORDER 1510.118

From: Commandant of the Marine Corps
To: Distribution List

Subj: INDIVIDUAL TRAINING STANDARDS (ITS) SYSTEM FOR THE COMMAND AND CONTROL SYSTEMS
       (ENLISTED) OCCUPATIONAL FIELD (OCCFLD) 06

Ref: (a) MCO 1510.34A
       (b) MCO 1553.1B
       (c) MCO 1553.2
       (d) MCO 1553.3
       (e) MCO 3500.27

Encl: (1) Description of an Individual Training Standard
       (2) Management of Individual Training Standards
       (3) Summary/Index of Individual Training Standards
       (4) Common Individual Training Standards
       (5) Training Support
       (6) Individual Training Standards
       (7) Summary/Index of Individual Training Standards by Specific Category (MOJT,
           DL, PST)

1. Purpose. To publish the Individual Training Standards (ITS) at enclosures (1)
through (7) for OccFld 06.
2. Background
    a. References (a) through (d) establish the system used to publish all training
standards, provide policy, and assign training responsibilities, especially as applied
to the Systems Approach to Training (SAT).
    b. ITSs establish the training requirements for all Marines in the same
occupational field (OccFld), Military Occupational Specialty (MOS), or billet. They
provide a foundation upon which unit commanders, Functional Learning Center (FLC)
directors, and distance learning (DL) developers build training packages for individual
Marines as part of unit training plans or formal courses of instruction.
    c. ITSs represent the skills that contribute to the unit mission as expressed in
the Mission Performance Standards. Changes to doctrine or force structure or the
introduction of new weapons or equipment may necessitate revision of this Order.

3. Information

    a. ITSs are used by unit commanders, FLC directors, and DL developers to design,
develop, conduct, and evaluate the individual training of Marines. Unit commanders are
responsible for the sustainment of all individual tasks that have been deemed, through
analysis, to support the unit's Mission Essential Task List (METL). Unit commanders can,
therefore, use the tasks contained in this Order as the basis of individual training
through Managed On-the-Job Training (MOJT), instruction in unit-level schools,or
incorporation in their training plans. FLC directors and DL developers will
deriveTerminal Learning Objectives (TLO) and Enabling Learning Objectives (ELO) from the
tasks, conditions, standards, and performance steps of each associated ITS. Task lists

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reported on Course Descriptive Data (CDD) submissions will consist of tasks contained inthis Order that are designated for training at the appropriate level in the FLC. Task lists reported on Distance Learning Descriptive Data (DLDD) submissions will consist of tasks contained in this Order that are designated for DL training at the appropriate level in the Formal School.

    b. Unit commanders and FLC directors are responsible for reviewing their training programsperreference(e)andmakinginterventionsthatreducerisktoacceptablelevels.

4. <u>Action</u>

    a. <u>Commanding General, Marine Corps Combat Development Command (CG MCCDC)</u>

        (1) Ensure all FLCs use this Order to train personnel to the standards required by grade and MOS.

        (2) Ensure the Marine Corps Institute (MCI) and the Training and Audiovisual Support Centers (TAVSC) provide standardized performance support tools (PST) and other training support requirements to facilitate training in units.

        (3) Review, revise, and manage the upkeep of this Order in coordination with Operating Force and Supporting Establishment commanders and MOS Specialists/OccFld Managers.

        (4) Ensure the Combat Development System identifies and mitigates the impact on training, by MOS and ITS, of all new equipment.

        (5) Ensure coordination with the Commander, Marine Corps Systems Command (COMMARCORSYSCOM) to integrate the acquisition of new equipment into formal school training per the published ITSs.

    b. <u>Commanding Generals of the Marine Forces and Supporting Establishment Commands and Commanders of Separate Organizations not Commanded by a General Officer</u>

        (1) Use this Order as the basis for individual training.

        (2) Conduct MOJT programs and/or instruction in unit level schools to satisfy initial, sustainment, and refresher training requirements in so far as the tasks support unit mission requirements.

5. <u>Submission of Recommendations and Requirements</u>. Recommendations concerning the content of this Order are invited. Submit recommendations for additions, deletions, or modifications to CG MCCDC (C472) via the chain of command.

6. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

W. E. GASKIN
By direction

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DESCRIPTION OF AN INDIVIDUAL TRAINING STANDARD

1. ITS Designator. Each ITS has a unique three-part identifier that represents an MOS (or billet), a duty (or functional) area within that MOS, and a specific task included in that duty area. Each part is separated by periods. An example of an ITS Designator is 0311.02.08.

    a. The first four positions ("0311" in the example above) represent the MOS or billet. For any ITS associated with an official MOS, the four digits must be identical to those assigned to the MOS in MCO P1200.7 (MOS Manual).

    b. The middle two positions ("02" in the example above) represent the duty or functional area. Duty areas within a given MOS are assigned Arabic numerals. Duty areas 1 through 9 are always preceded by a leading zero. In the example above, "02" represents the second duty area under MOS 0311.

    c. The last two positions ("08" in the example above) represent a specific task. Tasks within a specific duty or functional area are assigned Arabic numerals. Tasks 1 through 9 are always preceded by a leading zero. In the example above, "08" represents one task within the second duty area under MOS 0311.

2. ITS Components. There are six basic components of an ITS, five of which are mandatory:

    a. Task. The task describes a specific and necessary behavior expected of a Marine in a particular MOS or billet. It is a clearly stated, performance-oriented action requiring a learned skill. Skills that "make" a Marine or qualify that Marine for an MOS are designated as "Core." Those advanced skills that are mission, grade, or billet specific are designated as "Core Plus."

    b. Condition(s). This portion of the ITS describes the equipment, manuals, assistance/supervision, special physical demands, environmental conditions, and location affecting a Marine's performance of the task under real-world circumstances.

    c. Standard(s). This portion of the ITS describes the level of proficiency to which the individual must perform the task.

    d. Performance Steps. Collectively, the performance steps represent the logical sequence of actions required of the Marine to perform the task to standard. These actions are typically detailed in the references.

    e. Reference(s). References are doctrinal publications, technical manuals, and other publications upon which the ITS and its performance steps are based. They should be readily available and provide detail to the procedures that are only summarized in the performance steps.

    f. Administrative Instructions (Optional). Administrative instructions provide the trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

3. ITS Training

    a. Initial Training Setting. All ITSs are assigned an initial training setting

ENCLOSURE (1)

that includes a specific location for initial instruction [Functional Learning Center (FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months between evaluation or retraining to maintain the proficiency required by the standard), and a "Required By" grade (the lowest grade at which task proficiency is required).

   b. Training Materiel (Optional). Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard.

   c. Ammunition (Optional). This section includes any ammunition, explosives, and/or pyrotechnics required for proper training of the ITS.

   d. Distance Learning Product(s) (Optional). This section includes a list of any currently available or planned DL products designed to provide training related to this task.

   e. Performance Support Tool(s) (Optional). This section includes a list of any currently available or planned PSTs designed to provide training related to this task.

ENCLOSURE (1)

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MANAGEMENT OF INDIVIDUAL TRAINING STANDARDS

1. <u>ITS Use</u>

    a. ITSs form the basis for all individual training in Functional Learning Centers (FLC) and units. They are written for all MOSs in order to specify the critical skills required by units of their individual Marines in support of the unit's combat missions as defined in the unit's Mission Essential Task List (METL).

    b. FLC directors are responsible for reviewing all ITSs marked for initial training at the FLC. They must conduct courses of instruction on those ITSs appropriate for their student populations in terms of grade or rank. The task portion of each ITS taught in a given course must appear in the Task List (Item 24) of the CDD for that course. In accordance with the Systems Approach to Training (SAT), a Program of Instruction (POI) must also be developed for the course.

    c. ITSs provide measures of performance that can be used by unit commanders to diagnose individual deficiencies and design training. Noted deficiencies should be scheduled for remediation on training plans or through Managed On-The-Job Training (MOJT), as appropriate.

    d. A Marine should continue to receive instruction on ITSs that support the unit's METL. Individual training cannot cease upon graduation from the FLC because FLCs cannot prepare every Marine to serve in every billet. Individuals should be given opportunities in the unit to gain experience and responsibility as quickly as possible.

2. <u>ITS Maintenance</u>

    a. A relationship exists between ITSs and the threat to Marine forces. Changes in the threat often trigger corresponding changes in our weapons, equipment, or doctrine, which then necessitate producing new or updated training standards. Such action requires a team effort on the part of the operating forces, the FLCs, and staff agencies at both Headquarters, U.S. Marine Corps and the Marine Corps Combat Development Command (MCCDC).

    b. ITSs are ultimately validated by unit commanders and FLC directors. Records of Proceedings (ROP) resulting from Course Content Review Boards (CCRB) conducted by FLCs are particularly well suited for recommending revisions. The ROP should contain a justification for each proposed addition, deletion, or change and should accompany any request to obtain authority to depart from the currently published ITSs. Unit commanders can recommend changes through participation in a school's CCRB or directly via the chain of command. Unless significant changes warrant earlier action, ITS orders are revised and republished on a 4-year cycle.

    c. ITS management is a dynamic process involving user maintenance as the key to refining standards to best serve unit missions. ITS users should evaluate whether ITSs support or fail to support an MOS, and ITS components should be examined for realism and pertinence. Users are encouraged to submit recommended changes to published ITSs through the chain of command.

ENCLOSURE (2)

SUMMARY/INDEX OF INDIVIDUAL TRAINING STANDARDS

1. <u>General</u>. This enclosure is a summary listing of all ITS tasks grouped by MOS and Duty Area.

2. <u>Format</u>. The columns are as follows:

    a. <u>SEQ</u>. Sequence Number. This number dictates the order in which tasks for a given duty area are displayed.

    b. <u>TASK</u>. ITS Designator. This is the permanent designator assigned to the task when it is created.

    c. <u>TITLE</u>. ITS Task Title.

    d. <u>CORE</u>. An "X" appears in this column when the task is designated as a "core" task required to "make" a Marine and qualify that Marine for the appropriate MOS. The absence of an "X" indicates that this is an advanced ("core plus") task that is mission, grade, or billet specific.

    e. <u>FLC</u>. Functional Learning Center. An "X" appears in this column when the FLC is designated as the initial training setting. The absence of an "X" indicates that the initial training is accomplished through Managed On-The-Job Training (MOJT).

    f. <u>DL</u>. Distance Learning Product. An "X" in this column indicates that at least one DL product is associated with this task. Consult enclosure (6) for details.

    g. <u>PST</u>. Performance Support Tool. An "X" in this column indicates that at least one PST is associated with this task. Consult enclosure (6) for details.

    h. <u>SUS</u>. Sustainment Training Period. An entry in this column represents the number of months between evaluation or retraining by the unit to maintain the proficiency required by the standard, provided the task supports the unit's METL.

    i. <u>REQ BY</u>. Required By. An entry in this column depicts the lowest grade required to demonstrate proficiency in this task.

    j. <u>PAGE</u>. Page Number. This column lists the number of the page in enclosure (6) that contains detailed information concerning this task.

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	<u>PAGE</u>

<u>MOS 0600, Basic Communications Information Systems Marine</u>

<u>DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING</u>

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0600.01.01	DETERMINE MOBILE ELECTRIC POWER GENERATOR (MEPG) SUPPORT REQUIREMENTS FOR COMMUNICATIONS OPERATIONS	X	X			6	SSgt	6-A-1
2)	0600.01.02	APPLY BASIC PRINCIPLES OF TELECOMMUNICATIONS	X	X			12	SSgt	6-A-1

ENCLOSURE (3)

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SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
3) 0600.01.03	CREATE A COMMUNICATION PLAN USING THE TACTICAL NETWORK AND PLANNING SYSTEM (TNAPS)					12	SSgt	6-A-2

DUTY AREA 02 – COMMUNICATION INFORMATION SYSTEMS INSTALLATION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0600.02.01	GROUND EQUIPMENT	X	X			12	Pvt	6-A-3
2) 0600.02.02	INSTALL POWER SUPPLY	X	X			12	Pvt	6-A-4
3) 0600.02.03	IMPLEMENT EMERGENCY ACTION PLAN (EAP)	X	X			12	Pvt	6-A-5
4) 0600.02.04	IMPLEMENT COMMUNICATION INFORMATION SYSTEMS (CIS) PLANS	X	X			12	SSgt	6-A-5
5) 0600.02.05	CAMOUFLAGE COMMUNICATIONS EQUIPMENT					6	Pvt	6-A-6

DUTY AREA 03 – COMMUNICATION INFORMATION SYSTEMS OPERATIONS

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0600.03.01	EMPLOY ELECTROMAGNETIC INTERFERENCE (EMI) MEASURES	X	X			12	Pvt	6-A-7
2) 0600.03.02	PERFORM COMMUNICATIONS SECURITY (COMSEC) PROCEDURES	X	X	X		6	Pvt	6-A-7
3) 0600.03.03	PERFORM OVER-THE-AIR REKEY/OVER-THE-AIR TRANSMISSION (OTAR/OTAT)					12	SSgt	6-A-8
4) 0600.03.04	OPERATE AN/CYZ-10					12	Pvt	6-A-8

DUTY AREA 04 – COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0600.04.01	PERFORM PREVENTIVE MAINTENANCE (PM) ON COMMUNICATIONS EQUIPMENT	X	X			6	Pvt	6-A-11
2) 0600.04.02	TROUBLESHOOT COMMUNICATIONS EQUIPMENT	X	X			12	Pvt	6-A-11
3) 0600.04.03	PROTECT ELECTROSTATIC DISCHARGE (ESD) SENSITIVE DEVICES DURING HANDLING, STORAGE, AND TRANSPORTATION	X	X			12	Pvt	6-A-12
4) 0600.04.04	PREPARE AN EQUIPMENT REPAIR ORDER (ERO)					12	LCpl	6-A-12
5) 0600.04.05	PERFORM OPERATOR LEVEL PREVENTIVE MAINTENANCE (PM) ON COMMUNICATION MOTOR TRANSPORT ASSETS					6	Pvt	6-A-13
6) 0600.04.06	PROCESS TROUBLE CALL					12	Pvt	6-A-14
7) 0600.04.07	WEATHERPROOF COMMUNICATIONS EQUIPMENT					3	PFC	6-A-14
8) 0600.04.08	PROPERLY HANDLE AND STORE BATTERIES					6	Cpl	6-A-15

DUTY AREA 05 – COMMUNICATION INFORMATION SYSTEMS SUPERVISION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0600.05.01	SUPERVISE MAINTENANCE MANAGEMENT FOR A COMMUNICATION SECTION	X	X			12	SSgt	6-A-17
2) 0600.05.02	~~SUPERVISE MAINTENANCE OF MOTOR TRANSPORT~~ ASSETS IN A COMMUNICATION SECTION					~~12~~	~~SSgt~~	~~6-A-17~~

DUTY AREA 06 – COMMUNICATION INFORMATION SYSTEMS EMBARKATION AND TRANSPORT

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0600.06.01	EMBARK COMMUNICATIONS ASSETS					12	Pvt	6-A-19
2) 0600.06.02	SUPERVISE EMBARKATION OF COMMUNICATIONS ASSETS					12	Sgt	6-A-20

DUTY AREA 07 – COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0600.07.01	CONDUCT MANAGED-ON-THE-JOB TRAINING					12	SSgt	6-A-21

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
	(MOJT)							
2) 0600.07.02	CONDUCT MILITARY OCCUPATIONAL SPECIALTY (MOS) SKILL PROGRESSION TRAINING					12	Cpl	6-A-21

<p style="text-align:center;"><u>MOS 0612, Field Wireman</u></p>

<u>DUTY AREA 01 - OPERATIONAL CABLE/WIRE/FIBER CONNECTIVITY</u>

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0612.01.01	INSTALL DISTRIBUTION BOXES	X	X			12	Pvt	6-B-1
2) 0612.01.02	INSTALL AN/GSC-54	X	X			12	Pvt	6-B-2
3) 0612.01.03	INSTALL SB-4097	X	X			12	Pvt	6-B-2
4) 0612.01.04	PERFORM SUBSURFACE INSTALLATION OF CABLE/WIRE	X	X			12	Pvt	6-B-3
5) 0612.01.05	PERFORM AERIAL INSTALLATION OF CABLE/WIRE	X	X			12	Pvt	6-B-4
6) 0612.01.06	PERFORM SURFACE INSTALLATION OF CABLE/WIRE	X	X			12	Pvt	6-B-5
7) 0612.01.07	PERFORM FIELD WIRE TIES	X	X			12	Pvt	6-B-6
8) 0612.01.08	SPLICE FIELD WIRE	X	X			12	Pvt	6-B-7
9) 0612.01.09	CLIMB/DESCEND POLE/TREE UTILIZING LC-240 CLIMBING EQUIPMENT					12	Pvt	6-B-7
10) 0612.01.10	INSTALL TSEC/HYX-57 WIRELINE ADAPTOR					12	Pvt	6-B-8

<u>DUTY AREA 02 - OPERATIONAL SECURE WIRE CONNECTIVITY</u>

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0612.02.01	INSTALL KY-68 DIGITAL SECURE VOICE TERMINAL (DSVT)	X	X			12	Pvt	6-B-10
2) 0612.02.02	OPERATE AN/CYZ-10	X	X			12	Pvt	6-B-10
3) 0612.02.03	INSTALL STU-III/STE/MMT-1500					12	PFC	6-B-12

<u>DUTY AREA 03 - OPERATIONAL SWITCHBOARD</u>

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0612.03.01	INSTALL THE SB-3659	X	X	X		12	Pvt	6-B-13
2) 0612.03.02	INSTALL SB-3614(V)/TT AUTOMATIC SWITCHBOARD	X	X			12	Pvt	6-B-13
3) 0612.03.03	OPERATE SB-3614(V)/TT AUTOMATIC TELEPHONE SWITCHBOARD	X	X			12	Pvt	6-B-15
4) 0612.03.04	INSTALL SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC	X	X			12	Pvt	6-B-15
5) 0612.03.05	PERFORM POWER-ON PROCEDURES ON SB-3865(P)/TTC	X	X			12	Pvt	6-B-16
6) 0612.03.06	INITIALIZE SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC	X	X			12	Pvt	6-B-17
7) 0612.03.07	PERFORM OPERATING/INDEX PROCEDURES FOR SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC	X	X			12	Pvt	6-B-19
8) 0612.03.08	OPERATE SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC UNDER EMERGENCY CONDITIONS	X	X			12	Pvt	6-B-19
9) 0612.03.09	CALL SERVICE ATTENDANT (CSA) ON SB-3865(P)/TTC	X	X			12	Pvt	6-B-20
10) 0612.03.10	PERFORM PREVENTIVE MAINTENANCE (PM) ON SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC	X	X			12	Pvt	6-B-21

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
11) 0612.03.11	INSTALL SB-22/PT MANUAL TELEPHONE SWITCHBOARD					12	Pvt	6-B-21
12) 0612.03.12	OPERATE SB-22/PT MANUAL SWITCHBOARD					12	Pvt	6-B-22
13) 0612.03.13	PERFORM INSTALLER/MAINTAINER MAINTENANCE ON THE SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC					12	Pvt	6-B-23

DUTY AREA 04 - OPERATIONAL AUXILLARY DEVICES

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0612.04.01	INSTALL TA-1042A/U TELEPHONE SET	X	X			12	Pvt	6-B-25
2) 0612.04.02	INSTALL TA-312/PT TELEPHONE SET	X	X			12	Pvt	6-B-25
3) 0612.04.03	INSTALL TA-838/TT TELEPHONE SET	X	X			12	Pvt	6-B-26
4) 0612.04.04	INSTALL TA-938/G TELEPHONE SET	X	X			12	Pvt	6-B-27
5) 0612.04.05	INSTALL TA-977/PT TONE SIGNALING ADAPTOR TO SB-22/PT MANUAL SWITCHBOARD					12	Pvt	6-B-27
6) 0612.04.06	INSTALL THE HYP-71					12	PFC	6-B-28
7) 0612.04.07	INSTALL C-6709/G RADIO SET CONTROL					12	Pvt	6-B-28

MOS 0613, Construction Wireman

DUTY AREA 01 - CABLE SYSTEM CONSTRUCTION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0613.01.01	CONSTRUCT OVERHEAD CABLE SYSTEM	X	X			12	Pvt	6-C-1
2) 0613.01.02	CLIMB/DESCEND UNSTEPPED POLE	X	X			12	Pvt	6-C-1
3) 0613.01.03	PACK COMMERCIAL CABLES IN MANHOLES	X	X			12	Pvt	6-C-2
4) 0613.01.04	BURY CABLE	X	X			12	Pvt	6-C-3
5) 0613.01.05	CONSTRUCT SURFACE MOUNTED CONDUIT SYSTEMS	X	X			12	Pvt	6-C-4
6) 0613.01.06	INSTALL WIRES IN CONDUIT SYSTEMS	X	X			12	Pvt	6-C-4
7) 0613.01.07	PLAN A COMMERCIAL CABLE SYSTEM					12	Sgt	6-C-5
8) 0613.01.08	RECOVER COMMERCIAL CABLE					12	LCpl	6-C-5
9) 0613.01.09	DIRECT CONSTRUCTION OF OVERHEAD CABLE SYSTEM					12	Cpl	6-C-6
10) 0613.01.10	CLEAR BLOCKED CONDUITS USING ROD KITS AND REAMERS					12	Pvt	6-C-7

DUTY AREA 02 - EQUIPMENT OPERATION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0613.02.01	INSTALL DOWN GUY-WIRES AND SPAN GUY-WIRES FOR POLE SUPPORT	X	X			12	Pvt	6-C-8
2) 0613.02.02	INSTALL CONDUIT UNDER OBSTRUCTIONS USING MOLE BORING MACHINE	X	X			12	Pvt	6-C-8
3) 0613.02.03	LOAD/UNLOAD COMMERCIAL CABLE REELS ON K-37 CABLE/POLE TRAILER		X			12	Pvt	6-C-9
4) 0613.02.04	LOAD/UNLOAD POLES ON K-37 CABLE/POLE TRAILER		X			12	Pvt	6-C-9
5) 0613.02.05	LASH COMMERCIAL CABLE TO MESSENGER USING LC-231 LASHING MACHINE, CABLE GUIDE, AND CABLE SUPPORT		X			12	Pvt	6-C-10
6) 0613.02.06	SET POLES USING M-876 TELEPHONE MAINTENANCE TRUCK					12	Pvt	6-C-11
7) 0613.02.07	CUT ASPHALT AND CONCRETE USING PIONJAR					12	Pvt	6-C-12
8) 0613.02.08	CUT TELEPHONE POLES USING CHAIN SAW					12	Pvt	6-C-12
9) 0613.02.09	SUPERVISE THE OPERATION OF K-37					12	Cpl	6-C-13

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
	CABLE/POLE TRAILER							
10) 0613.02.10	OPERATE M-876 TELEPHONE MAINTENANCE TRUCK UNDER UNUSUAL CONDITIONS					12	Pvt	6-C-14
11) 0613.02.11	PULL POLES USING M-876 TELEPHONE MAINTENANCE TRUCK					12	Pvt	6-C-15
12) 0613.02.12	POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR AUGERING					12	Pvt	6-C-15
13) 0613.02.13	POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR OVERHEAD WORK					12	Pvt	6-C-16

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

1) 0613.03.01	PERFORM CORRECTIVE MAINTENANCE ON FIBER OPTICS CABLE SYSTEMS	X				12	Pvt	6-C-17
2) 0613.03.02	PERFORM CORRECTIVE MAINTENANCE ON CABLE SYSTEMS	X				12	Pvt	6-C-17

MOS 0614, Unit Level Circuit Switch Operator

DUTY AREA 01 - OPERATIONAL DIGITAL SWITCH

1) 0614.01.01	INITIALIZE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)	X	X			12	Pvt	6-D-1
2) 0614.01.02	PROGRAM COMPACT DIGITAL SWITCH	X	X			12	Pvt	6-D-2
3) 0614.01.03	PERFORM OPERATOR TURN-ON OF CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)	X	X			12	Pvt	6-D-3
4) 0614.01.04	PERFORM CALL SERVICE ATTENDANT (CSA) OPERATING PROCEDURES ON THE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)	X	X			12	Pvt	6-D-3
5) 0614.01.05	OPERATE THE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V) UNDER NORMAL CONDITIONS	X	X			12	Pvt	6-D-4
6) 0614.01.06	OPERATE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V) UNDER EMERGENCY CONDITIONS	X	X			12	Sgt	6-D-5
7) 0614.01.07	PERFORM SUPERVISOR OPERATING/INDEX PROCEDURES ON CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)					12	Sgt	6-D-5
8) 0614.01.08	ASSIST UNIT LEVEL CIRCUIT SWITCH (ULCS) PLANNER WITH ULCS PLANNING					12	Sgt	6-D-6

DUTY AREA 02 - OPERATIONAL SECURE DIGITAL SWITCH

1) 0614.02.01	INSTALL CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)	X	X			12	Pvt	6-D-8
2) 0614.02.02	PERFORM COMMUNICATIONS SECURITY (COMSEC) OPERATIONS/INDEX PROCEDURES ON CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)	X	X			12	Pvt	6-D-8

DUTY AREA 03 - OPERATIONAL AUXILIARY DIGITAL SWITCH

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0614.03.01	INSTALL TD-1234 REMOTE MULTIPLEXER COMBINER (RMC)	X	X			12	Pvt	6-D-10
2) 0614.03.02	PERFORM INITIAL AND ANCILLARY EQUIPMENT TURN-ON PROCEDURES ON AN/TTC-42(V)	X	X			12	Pvt	6-D-10
3) 0614.03.03	PERFORM OPERATOR MAINTENANCE ON THE CALL SERVICE UNIT (CSU) OF AN/TTC-42(V)	X	X			12	Pvt	6-D-11
4) 0614.03.04	PERFORM PREVENTIVE MAINTENANCE (PM) ON CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)	X	X			12	Pvt	6-D-12
5) 0614.03.05	PERFORM OPERATOR/MAINTAINER MAINTENANCE ON THE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)					12	Pvt	6-D-12

MOS 0619, Wire Chief

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0619.01.01	PLAN WIRE COMMUNICATIONS	X	X			12	Sgt	6-E-1
2) 0619.01.02	DEVELOP UNIT LEVEL CIRCUIT SWITCH (ULCS) OPERATIONS PLAN	X	X			12	SSgt	6-E-1
3) 0619.01.03	DEVELOP LINE ROUTE MAP FOR FIELD WIRE AND CABLE LAYING	X	X			12	SSgt	6-E-3
4) 0619.01.04	DEVELOP A SWITCHING NETWORK PLAN	X	X			12	SSgt	6-E-3
5) 0619.01.05	DEVELOP FIBER OPTIC CABLE (FOC) PLAN	X	X			12	SSgt	6-E-4
6) 0619.01.06	CREATE SECURE TELEPHONE (STU III, STE, MMT) OPERATIONS PLAN	X	X			12	SSgt	6-E-5
7) 0619.01.07	DEVELOP DIGITAL NONSECURE VOICE TERMINAL (DNVT) OPERATIONS PLAN	X	X			12	SSgt	6-E-5
8) 0619.01.08	DEVELOP DIGITAL SECURE VOICE TERMINAL (DSVT) OPERATIONS PLAN	X	X			12	SSgt	6-E-6
9) 0619.01.09	PLAN A COMMERCIAL CABLE SYSTEM					12	Sgt	6-E-7

DUTY AREA 02 - WIRE SYSTEM INSTALLATION SUPERVISION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0619.02.01	SUPERVISE INSTALLATION OF WIRE SYSTEM					12	Sgt	6-E-8
2) 0619.02.02	SUPERVISE OPERATION OF WIRE/CABLE SYSTEM					12	Sgt	6-E-8

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0619.03.01	SUPERVISE WIRE COMMUNICATION TRAINING PROGRAM					12	SSgt	6-E-10

MOS 0621, Field Radio Operator

DUTY AREA 01 - COMMUNICATION SYSTEMS INSTALLATION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0621.01.01	INSTALL VEHICLE MOUNTED SINGLE CHANNEL GROUND RADIO AND AIRBORNE RADIO SYSTEM (SINCGARS) RADIO	X	X			12	Pvt	6-F-1
2) 0621.01.02	INSTALL AN/VSQ-2C(V)1 ENHANCED POSITION LOCATING REPORTING SYSTEM (EPLRS)	X	X			12	Pvt	6-F-2
3) 0621.01.03	INSTALL AN/PRC-119A SINCGARS RADIO	X	X			12	Pvt	6-F-2
4) 0621.01.04	INSTALL TSEC/KY-57 COMMUNICATION		X			12	Pvt	6-F-3

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
	SECURITY EQUIPMENT							
5) 0621.01.05	ERECT AS-2259/GR HF TACTICAL ANTENNA	X	X			12	Pvt	6-F-4
6) 0621.01.06	INSTALL C-11561/U REMOTE CONTROL UNIT (RCU)	X	X			12	Pvt	6-F-5
7) 0621.01.07	ERECT OE-254	X	X			12	Pvt	6-F-6
8) 0621.01.08	INSTALL AN/GRA-39 RADIO SET CONTROL GROUP	X	X			12	Pvt	6-F-7
9) 0621.01.09	INSTALL AN/PRC-104 RADIO SET	X	X			12	Pvt	6-F-7
10) 0621.01.10	INSTALL AN/MRC-138 RADIO SET	X	X			12	Pvt	6-F-8
11) 0621.01.11	INSTALL AN/PRC-113 RADIO SET	X	X			12	Pvt	6-F-9
12) 0621.01.12	INSTALL TSEC/KY-99 COMMUNICATION SECURITY EQUIPMENT	X	X			12	Pvt	6-F-10
13) 0621.01.13	INSTALL AN/VRC-83 RADIO SET					12	Pvt	6-F-11
14) 0621.01.14	INSTALL AN/UXC-7A TACTICAL FACSIMILE SET					12	Pvt	6-F-11
15) 0621.01.15	INSTALL AN AN/PSC-2 DIGITAL COMMUNICATIONS TERMINAL					12	Pvt	6-F-12
16) 0621.01.16	INSTALL UHF MANPACK TACTICAL SATELLITE TERMINAL					12	Pvt	6-F-13
17) 0621.01.17	INSTALL AN/MRC-140					12	Pvt	6-F-14
18) 0621.01.18	CONSTRUCT FIELD EXPEDIENT ANTENNA					12	Pvt	6-F-15

DUTY AREA 02 - COMMUNICATION SYSTEMS OPERATION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0621.02.01	OPERATE RADIO NET	X	X			12	Pvt	6-F-17
2) 0621.02.02	TROUBLESHOOT FAULTY RADIO	X	X			12	Pvt	6-F-17
3) 0621.02.03	OPERATE AN/PRC-104 RADIO SET	X	X			12	Pvt	6-F-18
4) 0621.02.04	OPERATE AN/PRC-119	X	X			12	Pvt	6-F-18
5) 0621.02.05	OPERATE AN/VSQ-2 ENHANCED POSITION LOCATING AND REPORTING SYSTEM (EPLRS)	X	X			12	Pvt	6-F-19
6) 0621.02.06	OPERATE AN/MRC-138 RADIO SET	X	X			12	Pvt	6-F-19
7) 0621.02.07	OPERATE AN/PSN-11 (GPS/PLGR)	X	X			12	Pvt	6-F-20
8) 0621.02.08	OPERATE C-11561/U REMOTE CONTROL UNIT (RCU)	X	X			12	Pvt	6-F-21
9) 0621.02.09	OPERATE VEHICLE MOUNTED SINGLE CHANNEL GROUND AND AIRBORNE RADIO SYSTEM (SINCGARS)	X	X			12	Pvt	6-F-21
10) 0621.02.10	OPERATE AN/PRC-113 RADIO SET	X	X			12	Pvt	6-F-22
11) 0621.02.11	OPERATE AN/CYZ-10	X	X			12	Pvt	6-F-23
12) 0621.02.12	OPERATE UHF MANPACK TACTICAL SATELLITE TERMINAL					12	Pvt	6-F-24
13) 0621.02.13	OPERATE AN/MRC-140					12	Pvt	6-F-24
14) 0621.02.14	MAINTAIN CIRCUIT LOGS					12	Pvt	6-F-25
15) 0621.02.15	OPERATE AN/PSC-2 DIGITAL COMMUNICATION TERMINAL					12	Pvt	6-F-26
16) 0621.02.16	OPERATE AN/PPN-19 RADAR BEACON					12	Pvt	6-F-26
17) 0621.02.17	OPERATE AN/PRC-68A/KYV-2 RADIO SET					12	Pvt	6-F-27
18) 0621.02.18	OPERATE TSEC/KYX-15A NET CONTROL DEVICE					12	Pvt	6-F-28
19) 0621.02.19	OPERATE AN/UXC-7A TACTICAL FACSIMILE SET					12	Pvt	6-F-28
20) 0621.02.20	OPERATE TSEC/KY-99 COMMUNICATIONS SECURITY EQUIPMENT					12	Pvt	6-F-29
21) 0621.02.21	OPERATE INTERNATIONAL MARITIME SATELLITE (INMARSAT) TERMINAL					12	Cpl	6-F-29
22) 0621.02.22	ESTABLISH ELECTRONIC PROTECTION (EP)					12	Pvt	6-F-30
23) 0621.02.23	OPERATE AN/VRC-83 RADIO SET		X			12	Pvt	6-F-31

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
DUTY AREA 03 - COMMUNICATION SYSTEMS SUPERVISION								
1) 0621.03.01	DIRECT OPERATION OF SINGLE CHANNEL RADIO PLAN					12	Cpl	6-F-32
DUTY AREA 04 - VEHICLE OPERATIONS								
1) 0621.04.01	OPERATE M SERIES VEHICLE ON ROAD	X	X			6	Pvt	6-F-33
2) 0621.04.02	OPERATE M SERIES VEHICLE OFF ROAD	X	X			6	Pvt	6-F-33
3) 0621.04.03	OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT	X	X			6	Pvt	6-F-34
4) 0621.04.04	OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS	X	X			6	Pvt	6-F-35
5) 0621.04.05	PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) ON M SERIES VEHICLES	X	X			6	Pvt	6-F-36
6) 0621.04.06	OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS					6	Pvt	6-F-37

MOS 0622, Mobile Multichannel Equipment Operator

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
DUTY AREA 01 - COMMUNICATIONS PLANNING								
1) 0622.01.01	PREPARE TEAM ASSIGNMENT FORM FOR AN/MRC-142 RADIO SET					12	Cpl	6-G-1
DUTY AREA 02 - COMMUNICATIONS INSTALLATION								
1) 0622.02.01	INSTALL AN/MRC-142	X	X			12	Pvt	6-G-2
2) 0622.02.02	ERECT AS-3964 ANTENNA	X	X			12	Pvt	6-G-2
3) 0622.02.03	PREPARE MULTICHANNEL RADIO EQUIPMENT FOR EMBARKATION	X	X			12	Pvt	6-G-3
DUTY AREA 03 - COMMUNICATIONS OPERATION								
1) 0622.03.01	OPERATE AN/MRC-142	X	X			12	Pvt	6-G-5
DUTY AREA 04 - VEHICLE OPERATIONS								
1) 0622.04.01	OPERATE M SERIES VEHICLE ON ROAD	X	X			6	Pvt	6-G-6
2) 0622.04.02	OPERATE M SERIES VEHICLE OFF ROAD	X	X			6	Pvt	6-G-6
3) 0622.04.03	OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT	X	X			6	Pvt	6-G-7
4) 0622.04.04	OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS	X	X			6	Pvt	6-G-8
5) 0622.04.05	PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) ON M SERIES VEHICLES	X	X			6	Pvt	6-G-9
6) 0622.04.06	OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS					6	Pvt	6-G-10

MOS 0623, Transportable Multichannel Equipment Operator

DUTY AREA 01 - COMMUNICATIONS PLANNING

ENCLOSURE (3)

8

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0623.01.01	PREPARE TEAM ASSIGNMENT FORM FOR AN/TRC-170(V)5	X	X			12	Pvt	6-H-1
2)	0623.01.02	SELECT A SITE TO EMPLOY AN/TRC-170(V)5	X	X			12	Pvt	6-H-1
3)	0623.01.03	DETERMINE OPTIMUM MODE OF PROPAGATION FOR AN/TRC-170(V)5					12	PFC	6-H-2

DUTY AREA 02 - COMMUNICATIONS INSTALLATION

1)	0623.02.01	INSTALL AN/TRC-170(V)5	X	X			12	Pvt	6-H-3
2)	0623.02.02	ERECT OE-468 ANTENNA GROUP	X	X			12	Pvt	6-H-4

DUTY AREA 03 - COMMUNICATIONS OPERATION

1)	0623.03.01	OPERATE AN/TRC-170(V)5	X	X			12	Pvt	6-H-6
2)	0623.03.02	CONDUCT OE-468 ANTENNA SEARCH	X	X			12	Pvt	6-H-7

DUTY AREA 04 - VEHICLE OPERATIONS

1)	0623.04.01	OPERATE M SERIES VEHICLE ON ROAD	X	X			6	Pvt	6-H-8
2)	0623.04.02	OPERATE M SERIES VEHICLE OFF ROAD	X	X			6	Pvt	6-H-8
3)	0623.04.03	OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT	X	X			6	Pvt	6-H-9
4)	0623.04.04	OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS	X	X			6	Pvt	6-H-10
5)	0623.04.05	PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES ON M SERIES VEHICLES	X	X			6	Pvt	6-H-11
6)	0623.04.06	OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS					6	Pvt	6-H-12

MOS 0624, High Frequency Communications Central Operator

DUTY AREA 01 - COMMUNICATIONS INSTALLATION

1)	0624.01.01	INSTALL AN/TSC-120 COMMUNICATIONS CENTRAL	X	X			12	Pvt	6-I-1

DUTY AREA 02 - COMMUNICATIONS OPERATION

1)	0624.02.01	OPERATE AN/TSC-120 COMMUNICATIONS CENTRAL	X	X			12	Pvt	6-I-2
2)	0624.02.02	PREFORM PREVENTIVE MAINTENANCE (PM) ON AN/TSC-120 COMMUNICATIONS CENTRAL	X	X			12	Pvt	6-I-2
3)	0624.02.03	PERFORM OPERATOR CORRECTIVE MAINTENANCE ON AN/TSC-120					12	PFC	6-I-3

DUTY AREA 03 - VEHICLE OPERATIONS

1)	0624.03.01	OPERATE M SERIES VEHICLE ON ROAD	X	X			6	Pvt	6-I-5
2)	0624.03.02	OPERATE M SERIES VEHICLE OFF ROAD	X	X			6	Pvt	6-I-5
3)	0624.03.03	OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT	X	X			6	Pvt	6-I-6
4)	0624.03.04	OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS	X	X			6	Pvt	6-I-7
5)	0624.03.05	PERFORM PREVENTIVE MAINTENANCE CHECKS	X	X			6	Pvt	6-I-8

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ	BY	PAGE
	AND SERVICES ON M SERIES VEHICLES								
6) 0624.03.06	OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS					6	Pvt		6-I-9

MOS 0626, Fleet SATCOM Terminal Operator

DUTY AREA 01 - COMMUNICATIONS INSTALLATION

1) 0626.01.01	INSTALL AN/TSC-96A SATELLITE COMMUNICATIONS (SATCOM) CENTRAL	X	X			12	Pvt		6-J-1

DUTY AREA 02 - COMMUNICATIONS OPERATION

1) 0626.02.01	OPERATE AN/TSC-96A SATELLITE COMMUNICATIONS (SATCOM) CENTRAL	X	X			12	Pvt		6-J-3

MOS 0627, Ground Mobile Forces Satellite Terminal Operator

DUTY AREA 01 - COMMUNICATIONS INSTALLATION

1) 0627.01.01	INSTALL AN/TSC-85B COMMUNICATIONS TERMINAL, SATELLITE	X	X			12	Pvt		6-K-1
2) 0627.01.02	INSTALL AN/TSC-93B GROUND MOBILE FORCES (GMF) SATELLITE COMMUNICATIONS TERMINAL	X	X			12	Pvt		6-K-2
3) 0627.01.03	INSTALL KG-194A COMSEC EQUIPMENT	X	X			12	Pvt		6-K-3
4) 0627.01.04	INSTALL KY-57/TSEC COMSEC EQUIPMENT	X	X			12	Pvt		6-K-3
5) 0627.01.05	INSTALL EO-361 QUICK REACTION SATELLITE ANTENNA	X	X			6	Pvt		6-K-4
6) 0627.01.06	INSTALL AS-3036 SATELLITE ANTENNA	X	X			12	Pvt		6-K-5
7) 0627.01.07	INSTALL AN/TSC-154 TERMINAL, SATELLITE COMMUNICATION	X	X			12	Pvt		6-K-6
8) 0627.01.08	PERFORM PREVENTIVE MAINTENANCE (PM) ON GLOBAL MOBILE FORCE (GMF) TACTICAL SATELLITE (TACSAT) EQUIPMENT					12	PFC		6-K-6

DUTY AREA 02 - COMMUNICATIONS OPERATION

1) 0627.02.01	OPERATE THE AN/TSC-85B TACTICAL SATELLITE TERMINAL	X	X			12	Pvt		6-K-8
2) 0627.02.02	OPERATE AN/TSC-93B TACTICAL SATELLITE TERMINAL	X	X			12	Pvt		6-K-8
3) 0627.02.03	OPERATE AN/TSC-154 COMMUNICATION TERMINAL, SATELLITE	X	X			12	Pvt		6-K-9
4) 0627.02.04	PERFORM ROUTINE CORRECTIVE MAINTENANCE ON AN/TSC-154 TERMINAL, SATELLITE COMMUNICATION	X	X			12	Pvt		6-K-10
5) 0627.02.05	PERFORM PREVENTIVE MAINTENANCE (PM) ON GLOBAL MOBILE FORCE (GMF) TACTICAL SATELLITE (TACSAT) ANTENNA					12	PFC		6-K-11

MOS 0629, Radio Chief

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SEQ TASK        TITLE                              CORE FLC DL  PST SUS REQ BY  PAGE
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DUTY AREA 01 - COMMUNICATIONS PLANNING

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 1) 0629.01.01 DEVELOP SINGLE CHANNEL RADIO PLAN      X   X          12 SSgt   6-L-1
 2) 0629.01.02 DEVELOP MULTICHANNEL RADIO PLAN        X   X          12 SSgt   6-L-2
 3) 0629.01.03 DEVELOP SHF/UHF/EHF SATELLITE          X   X          12 SSgt   6-L-3
               COMMUNICATIONS PLAN
 4) 0629.01.04 CONDUCT PROPAGATION PREDICTION         X   X          12 SSgt   6-L-4
 5) 0629.01.05 DRAFT SATELLITE ACCESS REQUEST         X   X          12 SSgt   6-L-4
 6) 0629.01.06 SELECT RADIO SYSTEMS SITE                  X          12 Sgt    6-L-5
 7) 0629.01.07 PLAN INTEGRATION OF ENHANCED POSITION      X          12 Sgt    6-L-6
               LOCATION AND REPORTING SYSTEM (EPLRS)
 8) 0629.01.08 PLAN FLEET SATELLITE COMMUNICATIONS        X          12 Sgt    6-L-6
               (SATCOM) LINK
 9) 0629.01.09 PLAN FLEET SATELLITE COMMUNICATIONS                   12 Sgt    6-L-7
               (SATCOM) FOR MARINE AIR GROUND TASK
               FORCE (MAGTF)
10) 0629.01.10 PLAN FOR GLOBAL MOBILE FORCE (GMF)                    12 Sgt    6-L-8
               SATELLITE COMMUNICATIONS (SATCOM)
11) 0629.01.11 PREPARE CREW ASSIGNMENT WORKSHEET FOR                 12 Sgt    6-L-8
               AN/TRC-170(V)5
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DUTY AREA 02 - COMMUNICATIONS INSTALLATION

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 1) 0629.02.01 SUPERVISE SINCGARS NET CONTROL FUNCTIONS X X          12 SSgt   6-L-10
 2) 0629.02.02 SUPERVISE INSTALLATION OF FIELD            X          24 Sgt    6-L-11
               EXPEDIENT ANTENNAS
 3) 0629.02.03 SUPERVISE INSTALLATION OF                  X          12 Sgt    6-L-12
               (HF/VHF/UHF/SHF/EHF) RADIO SYSTEMS
 4) 0629.02.04 SUPERVISE EXECUTION OF RADIO              X           12 Sgt    6-L-12
               COMMUNICATION PLAN
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MOS 0648, Radio Frequency Management Technician

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS OPERATION

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 1) 0648.01.01 PERFORM FREQUENCY MANAGEMENT           X   X          12 SSgt   6-M-1
 2) 0648.01.02 PERFORM ADMINISTRATIVE FREQUENCY       X   X          12 SSgt   6-M-2
               MANAGEMENT PROCEDURES
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MOS 0651, Information Systems Specialist

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT INSTALLATION

```
 1) 0651.01.01 CONNECT SECURE TELEPHONE UNIT TO       X   X          12 Pvt    6-N-1
               COMPUTER
 2) 0651.01.02 INSTALL END-USER EQUIPMENT            X   X          12 Pvt    6-N-1
 3) 0651.01.03 INSTALL SERVER                        X   X          12 Pvt    6-N-2
 4) 0651.01.04 INSTALL COMSEC EQUIPMENT              X   X          12 Pvt    6-N-3
 5) 0651.01.05 INSTALL OPERATING SYSTEMS             X   X          12 Pvt    6-N-4
 6) 0651.01.06 INSTALL PERIPHERAL EQUIPMENT          X   X          12 Pvt    6-N-4
 7) 0651.01.07 INSTALL ELECTRONIC MESSAGE SYSTEM         X          12 Pvt    6-N-5
 8) 0651.01.08 INSTALL UNIX OPERATING SYSTEM             X          12 Cpl    6-N-5
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ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS OPERATION

1) 0651.02.01	OPERATE ELECTRONIC DATA FILE TRANSFER SYSTEM	X	X			12	Pvt	6-N-7
2) 0651.02.02	OPERATE A SERVER ON DATA COMMUNICATION NETWORK	X	X			12	Pvt	6-N-7
3) 0651.02.03	DRAFT SERVICE MESSAGE	X	X			12	Pvt	6-N-8
4) 0651.02.04	PROCESS MESSAGE TRAFFIC		X			12	Pvt	6-N-9
5) 0651.02.05	HANDLE MESSAGE TRAFFIC		X			12	Pvt	6-N-10
6) 0651.02.06	OPERATE UNIX OPERATING SYSTEM					12	Pvt	6-N-11
7) 0651.02.07	OPERATE DEFENSE MESSAGE SYSTEM (DMS)					12	Pvt	6-N-12
8) 0651.02.08	PERFORM OPERATOR/MAINTAINER PROCEDURES FOR AN/MSC-63A COMMUNICATION CENTRAL					6	Pvt	6-N-12

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

1) 0651.03.01	MANAGE LOCAL AREA NETWORK (LAN) SERVICES	X	X			12	Pvt	6-N-14
2) 0651.03.02	UPGRADE HARDWARE	X	X			12	Pvt	6-N-14
3) 0651.03.03	MAINTAIN AUTHORIZED SOFTWARE					6	PFC	6-N-15
4) 0651.03.04	PERFORM LIMITED TECHNICAL INSPECTION (LTI) ON COMPUTER EQUIPMENT					12	LCpl	6-N-15

<u>MOS 0659, Information Systems Chief</u>

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

1) 0659.01.01	DEVELOP INFORMATION SYSTEMS PLAN	X	X			12	SSgt	6-O-1
2) 0659.01.02	DRAFT EMERGENCY ACTION PLAN (EAP)	X	X			12	SSgt	6-O-1
3) 0659.01.03	DRAFT COMMUNICATIONS GUARD SHIFT	X	X			12	SSgt	6-O-2
4) 0659.01.04	PLAN ELECTRONIC DATA FILE TRANSFER SYSTEM	X	X			12	SSgt	6-O-3
5) 0659.01.05	PLAN MESSAGING INTEROPERABILITY	X	X			12	SSgt	6-O-3

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

1) 0659.02.01	SUPERVISE INSTALLATION OF MESSAGE DISTRIBUTION SYSTEMS	X	X			12	SSgt	6-O-5
2) 0659.02.02	SUPERVISE INSTALLATION OF INFORMATION SYSTEMS	X	X			12	SSgt	6-O-5
3) 0659.02.03	SUPERVISE INFORMATION SYSTEMS CONFIGURATION MANAGEMENT	X	X			12	SSgt	6-O-6

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

1) 0659.03.01	SUPERVISE OPERATION OF MESSAGE DISTRIBUTION SYSTEM	X	X			12	SSgt	6-O-8
2) 0659.03.02	OPTIMIZE SYSTEM PERFORMANCE	X	X			12	SSgt	6-O-9
3) 0659.03.03	MANAGE INFORMATION SYSTEMS SERVICES	X	X			12	SSgt	6-O-9
4) 0659.03.04	TROUBLESHOOT FAULTY END-USER COMPUTER EQUIPMENT	X	X			24	SSgt	6-O-10
5) 0659.03.05	SUPERVISE OPERATION OF AN/MSC-63A					12	SSgt	6-O-11
6) 0659.03.06	SUPERVISE SYSTEM BACKUP/RECOVERY					12	SSgt	6-O-12

ENCLOSURE (3)

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE

MOS 0661, Data Network Systems Specialist

DUTY AREA 01 – COMMUNICATION INFORMATION SYSTEM SUPPORT PLANNING

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0661.01.01	DEVELOP NETWORK ADDRESSING SCHEME	X	X			12	Pvt	6-P-1
2)	0661.01.02	DETERMINE THE PRINCIPLES OF NETWORK PLAN	X	X			12	Pvt	6-P-1
3)	0661.01.03	DEVELOP MULTI-PROTOCOL NETWORK PLAN		X			12	Sgt	6-P-2

DUTY AREA 02 – COMMUNICATION INFORMATION SYSTEMS INSTALLATION

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0661.02.01	INSTALL DATA COMMUNICATIONS NETWORK	X	X			6	Pvt	6-P-3
2)	0661.02.02	CONNECT SECURE TELEPHONE UNIT TO NETWORK DEVICE	X	X			12	Pvt	6-P-3
3)	0661.02.03	INSTALL NETWORK OPERATING SYSTEMS	X	X			12	Pvt	6-P-4
4)	0661.02.04	INSTALL NETWORK MANAGEMENT SYSTEMS					12	Cpl	6-P-5

DUTY AREA 03 – COMMUNICATION INFORMATION SYSTEMS OPERATION

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0661.03.01	OPERATE ELECTRONIC DATA FILE TRANSFER SYSTEM	X	X			12	Pvt	6-P-6
2)	0661.03.02	PERFORM DOMAIN NAME SYSTEM (DNS) ADMINISTRATION	X	X			12	Pvt	6-P-6
3)	0661.03.03	MONITOR NETWORK PERFORMANCE	X	X			6	Pvt	6-P-7
4)	0661.03.04	CONFIGURE NETWORK COMPONENTS	X	X			6	Pvt	6-P-7

DUTY AREA 04 – COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0661.04.01	MAINTAIN DATA COMMUNICATIONS NETWORK	X	X			6	Pvt	6-P-10
2)	0661.04.02	MAINTAIN SYSTEM SOFTWARE	X	X			6	Pvt	6-P-10

MOS 0669, Data Network Systems Chief

DUTY AREA 01 – COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0669.01.01	DEVELOP INFORMATION SYSTEMS SECURITY PLANS	X	X			12	SSgt	6-Q-1
2)	0669.01.02	DEVELOP DATA COMMUNICATIONS NETWORK PLANS	X	X			12	SSgt	6-Q-1
3)	0669.01.03	DEVELOP MULTI-PROTOCOL NETWORK PLANS	X	X			12	SSgt	6-Q-2

DUTY AREA 02 – COMMUNICATION INFORMATION SYSTEMS INSTALLATION

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0669.02.01	INTEGRATE DATA COMMUNICATION NETWORKS	X	X			12	SSgt	6-Q-4
2)	0669.02.02	SUPERVISE INSTALLATION OF DATA COMMUNICATION NETWORKS	X	X			12	SSgt	6-Q-4

DUTY AREA 03 – COMMUNICATION INFORMATION SYSTEMS OPERATION

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0669.03.01	SUPERVISE OPERATION OF DATA COMMUNICATIONS NETWORKS	X	X			12	SSgt	6-Q-6
2)	0669.03.02	SUPERVISE IMPLEMENTATION OF MULTI-PROTOCOL NETWORKING PLAN	X	X			12	SSgt	6-Q-8

DUTY AREA 04 – COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

ENCLOSURE (3)

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0669.04.01	OPTIMIZE NETWORK PERFORMANCE	X	X			12	SSgt	6-Q-9
2)	0669.04.02	TROUBLESHOOT FAULTY NETWORK SYSTEMS		X			12	SSgt	6-Q-9

MOS 0671, Applications Programmer

DUTY AREA 01 - PROGRAMMING

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0671.01.01	CREATE A FLOWCHART	X	X			12	Pvt	6-R-1
2)	0671.01.02	WRITE CONTROL STATEMENTS	X	X			12	Pvt	6-R-1
3)	0671.01.03	WRITE A DRIVER ROUTINE	X	X			12	Pvt	6-R-2
4)	0671.01.04	CREATE EXECUTABLE CODE	X	X			12	Pvt	6-R-3
5)	0671.01.05	DEBUG A PROGRAM	X	X			12	Pvt	6-R-3
6)	0671.01.06	WRITE A FUNCTION	X	X			12	Pvt	6-R-4
7)	0671.01.07	WRITE A SUBPROGRAM	X	X			12	Pvt	6-R-4
8)	0671.01.08	WRITE AN ERROR HANDLING ROUTINE	X	X			12	Pvt	6-R-5
9)	0671.01.09	MANIPULATE AN ARRAY	X	X			12	Pvt	6-R-6
10)	0671.01.10	MANIPULATE A RECORD	X	X			12	Pvt	6-R-6
11)	0671.01.11	CREATE A USER INTERFACE	X	X			12	Pvt	6-R-7
12)	0671.01.12	INTERFACE WITH A DATA SOURCE	X	X			12	Pvt	6-R-8

DUTY AREA 02 - SYSTEM TESTING

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0671.02.01	CONDUCT A UNIT TEST	X	X			12	Pvt	6-R-9
2)	0671.02.02	CONDUCT AN INTEGRATION TEST	X	X			12	Pvt	6-R-9
3)	0671.02.03	CONDUCT REGRESSION TESTING	X	X			12	Pvt	6-R-10

DUTY AREA 03 - DATA MANIPULATION

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0671.03.01	CREATE A DATA FILE	X	X			12	Pvt	6-R-11
2)	0671.03.02	MANIPULATE A DATA FILE	X	X			12	Pvt	6-R-11
3)	0671.03.03	SORT A DATA FILE	X	X			12	Pvt	6-R-12
4)	0671.03.04	CREATE A DATABASE TABLE	X	X			12	Pvt	6-R-12
5)	0671.03.05	JOIN MULTIPLE DATABASE TABLES	X	X			12	Pvt	6-R-13
6)	0671.03.06	CREATE A REPORT					12	LCpl	6-R-13

DUTY AREA 04 - OPERATING ENVIRONMENT

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0671.04.01	EMPLOY OPERATING SYSTEM UTILITIES	X	X			12	Pvt	6-R-15
2)	0671.04.02	DEPLOY AN APPLICATION	X	X			12	Pvt	6-R-15

DUTY AREA 05 - WEB DEVELOPMENT

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0671.05.01	CREATE A WEB PAGE	X	X			12	Pvt	6-R-17

MOS 0672, Advanced Applications Programmer

DUTY AREA 01 - SYSTEMS ANALYSIS

			CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0672.01.01	CONDUCT AN INTERVIEW	X	X			12	Sgt	6-S-1
2)	0672.01.02	CONDUCT A BUSINESS PROCESS ANALYSIS	X	X			12	Sgt	6-S-1
3)	0672.01.03	MODEL A BUSINESS PROCESS	X	X			12	Sgt	6-S-2
4)	0672.01.04	CONDUCT A RESOURCE ANALYSIS	X	X			12	Sgt	6-S-2

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
5) 0672.01.05	CONDUCT A FEASIBILITY STUDY	X	X			12	Sgt	6-S-3
6) 0672.01.06	WRITE A REQUIREMENTS DOCUMENT	X	X			12	Sgt	6-S-3
7) 0672.01.07	WRITE A GENERAL DESIGN SPECIFICATION	X	X			12	Sgt	6-S-4

DUTY AREA 02 - SYSTEMS DESIGN

1) 0672.02.01	CREATE A LOGICAL MODEL	X	X			12	Sgt	6-S-5
2) 0672.02.02	CREATE A DATA DICTIONARY	X	X			12	Sgt	6-S-5
3) 0672.02.03	CREATE AN ENTITY-RELATIONSHIP DIAGRAM	X	X			12	Sgt	6-S-6
4) 0672.02.04	CREATE A SCHEMATIC DIAGRAM	X	X			12	Sgt	6-S-6
5) 0672.02.05	CREATE A DETAILED DESIGN SPECIFICATION	X	X			12	Sgt	6-S-7

DUTY AREA 03 - PROGRAMMING

1) 0672.03.01	PERFORM ADVANCED PROGRAMMING TECHNIQUES	X	X			12	Sgt	6-S-8

DUTY AREA 04 - SYSTEMS TESTING

1) 0672.04.01	CONDUCT A SYSTEM TEST	X	X			12	Sgt	6-S-9
2) 0672.04.02	CONDUCT AN ACCEPTANCE TEST	X	X			12	Sgt	6-S-9

DUTY AREA 05 - INFORMATION SYSTEMS MANAGEMENT

1) 0672.05.01	EMPLOY A CONFIGURATION MANAGEMENT (CM) TOOL	X	X			12	Sgt	6-S-11
2) 0672.05.02	CREATE A TEST SPECIFICATION	X	X			12	Sgt	6-S-11

DUTY AREA 06 - WEB DEVELOPMENT

1) 0672.06.01	CREATE A WEB INTERFACE	X	X			12	Sgt	6-S-13
2) 0672.06.02	CREATE AN APPLET	X	X			12	Sgt	6-S-13
3) 0672.06.03	CONTROL ACCESS TO WEB PAGE	X	X			12	Sgt	6-S-14

MOS 0679, Applications Software Manager

DUTY AREA 01 - INFORMATION SYSTEMS MANAGEMENT

1) 0679.01.01	CREATE A CONFIGURATION MANAGEMENT PLAN	X	X			12	GySgt	6-T-1
2) 0679.01.02	EMPLOY A PROJECT MANAGEMENT TOOL	X	X			12	GySgt	6-T-1
3) 0679.01.03	CREATE A TEST PLAN	X	X			12	GySgt	6-T-2
4) 0679.01.04	CREATE A PROJECT TRAINING PLAN	X	X			12	GySgt	6-T-3
5) 0679.01.05	MANAGE PROJECT TEAMS	X	X			12	GySgt	6-T-3
6) 0679.01.06	CONDUCT A PROGRESS REVIEW	X	X			12	GySgt	6-T-4
7) 0679.01.07	CREATE A STANDARDS DOCUMENT	X	X			12	GySgt	6-T-5
8) 0679.01.08	CREATE AN IMPLEMENTATION PLAN	X	X			12	GySgt	6-T-5
9) 0679.01.09	CREATE A QUALITY ASSURANCE (QA) PLAN	X	X			12	GySgt	6-T-6
10) 0679.01.10	CONDUCT A COST-BENEFIT ANALYSIS	X	X			12	Sgt	6-T-7

MOS 0681, Information Security Technician

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEM SUPPORT PLANNING

1) 0681.01.01	DRAFT EMERGENCY ACTION PLAN (EAP)	X	X			12	SSgt	6-U-1

ENCLOSURE (3)

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
2)	0681.01.02	PLAN INFOSEC MATERIAL REQUIREMENTS	X	X			12	SSgt	6-U-1
3)	0681.01.03	DRAFT/ENFORCE COMSEC POLICIES AND PROCEDURES	X	X			12	GySgt	6-U-2
4)	0681.01.04	DEVELOP COMSEC JOINT CONTINGENCY OPERATIONS DRAFT PLAN					12	MGySgt	6-U-3
5)	0681.01.05	VALIDATE COMSEC KEYMAT MODIFICATION OF ALLOWANCE (MOA)					3	MSgt	6-U-4

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

1)	0681.02.01	PERFORM IMMEDIATE SUPERIOR IN COMMAND (ISIC) FUNCTION					12	MSgt	6-U-5
2)	0681.02.02	INSTALL LMD/KP ELECTRONIC KEY MANAGEMENT (EKMS) SUITE		X			12	GySgt	6-U-5

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

1)	0681.03.01	OPERATE THE DATA TRANSFER DEVICE (DTD)	X	X			12	SSgt	6-U-7
2)	0681.03.02	OPERATE THE LOCAL MANAGEMENT DEVICE/KEY PROCESSOR (LMD/KP)	X	X			12	SSgt	6-U-7
3)	0681.03.03	GENERATE ELECTRONIC KEY	X	X			12	SSgt	6-U-8
4)	0681.03.04	OPERATE THE CERTIFICATION AUTHORITY WORKSTATION (CAW)		X			12	Sgt	6-U-8

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

1)	0681.04.01	MANAGE OPERATION OF SECURE TELEPHONE UNIT (STU) OR SECURE TELEPHONE EQUIPMENT (STE)	X	X			12	SSgt	6-U-10
2)	0681.04.02	MAINTAIN ELECTRONIC KEY MANAGEMENT SYSTEM (EKMS) ACCOUNT CHRONOLOGICAL FILE	X	X			12	SSgt	6-U-10
3)	0681.04.03	REPORT COMSEC INCIDENT/PRACTICES DANGEROUS TO SECURITY (PDS)	X	X			12	SSgt	6-U-11
4)	0681.04.04	DESTROY COMSEC MATERIAL	X	X			12	SSgt	6-U-11
5)	0681.04.05	CONDUCT COMSEC MATERIAL INVENTORIES	X	X			12	SSgt	6-U-12
6)	0681.04.06	COURIER CLASSIFIED CRYPTOGRAPHIC MATERIAL	X	X			12	SSgt	6-U-12
7)	0681.04.07	SUPERVISE SAFEGUARD OF COMSEC MATERIAL	X	X			12	SSgt	6-U-13
8)	0681.04.08	RECEIVE COMSEC MATERIAL	X	X			12	SSgt	6-U-13
9)	0681.04.09	INSTRUCT PERSONNEL IN COMSEC					6	SSgt	6-U-14
10)	0681.04.10	TRAIN LOCAL ELEMENT (LE)					12	SSgt	6-U-15

MOS 0689, Information Assurance Technician

DUTY AREA 01 - RISK MANAGEMENT

1)	0689.01.01	IDENTIFY THE REQUIREMENTS OF INFORMATION SYSTEMS (IS) RISK MANAGEMENT PROGRAM	X	X			6	Sgt	6-V-1
2)	0689.01.02	DEVELOP A SYSTEMS SECURITY PLAN	X	X			3	Sgt	6-V-2
3)	0689.01.03	PERFORM RISK ASSESSMENT	X	X			6	Sgt	6-V-2
4)	0689.01.04	DEVELOP INFORMATION ASSURANCE (IA) CONTINGENCY PLAN	X	X			6	Sgt	6-V-3
5)	0689.01.05	PERFORM SECURITY TEST AND EVALUATION	X	X			6	Sgt	6-V-3
6)	0689.01.06	PERFORM ACCREDITATION PROCESS					9	Sgt	6-V-4

ENCLOSURE (3)

SEQ TASK   TITLE   CORE FLC DL PST SUS REQ BY PAGE

DUTY AREA 02 - SECURITY POLICIES AND PROCEDURES

		CORE	FLC	DL	PST	SUS	REQ	BY	PAGE
1) 0689.02.01	IMPLEMENT PHYSICAL SECURITY MEASURES FOR INFORMATION PROCESSING AREAS	X	X			3	Sgt	6-V-5	
2) 0689.02.02	IMPLEMENT MALICIOUS CODE PROTECTION PROGRAM	X	X			3	Sgt	6-V-5	
3) 0689.02.03	IMPLEMENT SENSITIVE DATA HANDLING PROCEDURES	X	X			3	Sgt	6-V-6	
4) 0689.02.04	PERFORM INCIDENT RESPONSE AND REPORTING	X	X			3	Sgt	6-V-7	
5) 0689.02.05	IMPLEMENT INFORMATION ASSURANCE (IA) TRAINING AND AWARENESS/CERTIFICATION PROGRAM	X	X			6	Sgt	6-V-7	
6) 0689.02.06	DEVELOP/EXECUTE LOCAL INFORMATION SECURITY (INFOSEC) POLICY					6	SSgt	6-V-8	

DUTY AREA 03 - NETWORK SYSTEMS SECURITY

1) 0689.03.01	ENSURE COMPLIANCE WITH OPERATING SYSTEMS (OS) SECURITY CONTROLS	X	X			6	Sgt	6-V-9	
2) 0689.03.02	ENSURE COMPLIANCE WITH POINT-OF-PRESENCE (POP) SECURITY CONTROLS	X	X			6	Sgt	6-V-9	
3) 0689.03.03	ENSURE COMPLIANCE WITH SMALL COMPUTER SYSTEMS SECURITY CONTROLS	X	X			6	Sgt	6-V-10	
4) 0689.03.04	ENSURE COMPLIANCE WITH APPLICATION-LEVEL SECURITY CONTROLS	X	X			6	Sgt	6-V-11	
5) 0689.03.05	PERFORM SYSTEM AUDITING					6	Sgt	6-V-11	

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

1) 0689.04.01	MONITOR PHYSICAL SECURITY ENVIRONMENT					6	SSgt	6-V-13	
2) 0689.04.02	MONITOR SECURITY SYSTEM					6	GySgt	6-V-13	

DUTY AREA 05 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

1) 0689.05.01	TRAIN SECURITY ADMINISTRATORS	X	X			12	Pvt	6-V-15	
2) 0689.05.02	INSTRUCT PERSONNEL ON CONTINGENCY PLANS	X	X			12	SSgt	6-V-15	
3) 0689.05.03	INSTRUCT PERSONNEL IN PHYSICAL SECURITY					6	SSgt	6-V-16	

MOS 0691, Operational Communications Chief

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

1) 0691.01.01	CREATE A COMMUNICATIONS INFORMATION SYSTEMS (CIS) PLAN	X	X			12	MSgt	6-W-1	
2) 0691.01.02	CONDUCT CIS SITE SURVEY	X	X			6	MSgt	6-W-1	
3) 0691.01.03	REVIEW AUTOMATED MESSAGE SYSTEM PLAN	X	X			12	MSgt	6-W-2	
4) 0691.01.04	MANAGE CIS ADMINISTRATIVE FUNCTIONS	X	X			12	MSgt	6-W-3	
5) 0691.01.05	VALIDATE TACTICAL SWITCHING SYSTEM PLAN	X	X			12	MSgt	6-W-4	
6) 0691.01.06	ASSIST COMMANDER AND STAFF IN CIS PLANNING	X	X			12	MSgt	6-W-4	
7) 0691.01.07	VALIDATE SINGLE CHANNEL RADIO PLAN	X	X			12	MSgt	6-W-5	
8) 0691.01.08	CREATE AN ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS) INTEGRATION		X			12	GySgt	6-W-6	

ENCLOSURE (3)

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
		PLAN							

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0691.02.01	PERFORM COMMAND AND CONTROL (C2) SYSTEMS PLANNING	X	X			6	MSgt	6-W-7
2)	0691.02.02	DIRECT INSTALLATION OF AN/TSQ-158(V)4 EPLRS NET CONTROL STATION NCS		X			12	GySgt	6-W-7
3)	0691.02.03	DIRECT EMPLOYMENT OF AN/TSQ-158(V)4 EPLRS NCS					12	GySgt	6-W-8

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0691.03.01	SUPERVISE CIRCUIT SWITCH OPERATIONS	X	X			12	MSgt	6-W-9
2)	0691.03.02	SUPERVISE EXECUTION OF TERRESTRIAL TRANSMISSION SYSTEMS PLAN	X	X			12	MSgt	6-W-9
3)	0691.03.03	SUPERVISE EXECUTION OF SINGLE CHANNEL RADIO PLAN	X	X			12	MSgt	6-W-10
4)	0691.03.04	SUPERVISE EXECUTION OF INFORMATION SYSTEMS NETWORK PLAN	X	X			12	MSgt	6-W-10
5)	0691.03.05	DIRECT CIS CONTROL OPERATIONS (TECHCON/SYSCON)	X	X			12	MSgt	6-W-11
6)	0691.03.06	SUPERVISE EMPLOYMENT OF SATELLITE TRANSMISSION SYSTEMS	X	X			12	MSgt	6-W-11
7)	0691.03.07	MONITOR PERSONNEL GAINS/LOSSES	X	X			6	MSgt	6-W-12
8)	0691.03.08	SUPERVISE EXECUTION OF CIS PLANS AND ORDERS	X	X			12	MSgt	6-W-13
9)	0691.03.09	ENFORCE ADHERENCE TO COMSEC PROCEDURES					12	MGySgt	6-W-13
10)	0691.03.10	MONITOR INTERNAL CORRESPONDENCE					6	MSgt	6-W-14

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0691.04.01	INSPECT FUNCTIONAL AREAS	X	X			12	MSgt	6-W-16
2)	0691.04.02	DETERMINE NEED FOR MODIFICATION OF ALLOWANCE (MOA)	X	X			12	MSgt	6-W-16

MOS 0699, Communications Information Systems Chief

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0699.01.01	DRAFT COMMUNICATIONS INFORMATION SYSTEMS (CIS) PLAN	X	X			12	MSgt	6-X-1
2)	0699.01.02	CONDUCT CIS SITE SURVEY	X	X			6	MSgt	6-X-1
3)	0699.01.03	REVIEW AUTOMATED MESSAGE SYSTEM PLAN	X	X			12	MSgt	6-X-2
4)	0699.01.04	MANAGE CIS ADMINISTRATIVE FUNCTIONS	X	X			12	MSgt	6-X-3
5)	0699.01.05	VALIDATE TACTICAL SWITCHING SYSTEM PLAN	X	X			12	MSgt	6-X-4
6)	0699.01.06	ASSIST COMMANDER AND STAFF IN CIS PLANNING	X	X			12	MSgt	6-X-4
7)	0699.01.07	VALIDATE SINGLE CHANNEL RADIO PLAN	X	X			12	MSgt	6-X-5
8)	0699.01.08	PLAN INTEGRATION OF ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS)		X			12	GySgt	6-X-5

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0699.02.01	PERFORM COMMAND AND CONTROL (C2) SYSTEMS PLANNING	X	X			6	MSgt	6-X-7
2) 0699.02.02	DIRECT INSTALLATION OF AN/TSQ-158(V)4 EPLRS NET CONTROL STATION NCS		X			12	GySgt	6-X-7
3) 0699.02.03	DIRECT EMPLOYMENT OF AN/TSQ-158(V)4 EPLRS NCS					12	GySgt	6-X-8

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0699.03.01	SUPERVISE CIRCUIT SWITCH OPERATIONS	X	X			12	MSgt	6-X-10
2) 0699.03.02	SUPERVISE EXECUTION OF TERRESTRIAL TRANSMISSION SYSTEMS PLAN	X	X			12	MSgt	6-X-10
3) 0699.03.03	SUPERVISE EXECUTION OF SINGLE CHANNEL RADIO PLAN	X	X			12	MSgt	6-X-11
4) 0699.03.04	SUPERVISE EXECUTION OF INFORMATION SYSTEMS NETWORK PLAN	X	X			12	MSgt	6-X-11
5) 0699.03.05	DIRECT CIS CONTROL OPERATIONS (TECHCON/SYSCON)	X	X			12	MSgt	6-X-12
6) 0699.03.06	SUPERVISE EMPLOYMENT OF SATELLITE TRANSMISSION SYSTEMS	X	X			12	MSgt	6-X-13
7) 0699.03.07	MONITOR PERSONNEL GAINS/LOSSES	X	X			6	MSgt	6-X-13
8) 0699.03.08	SUPERVISE EXECUTION OF CIS PLANS AND ORDERS	X	X			12	MSgt	6-X-14
9) 0699.03.09	ENFORCE ADHERENCE TO COMSEC PROCEDURES					12	MGySgt	6-X-15
10) 0699.03.10	MONITOR INTERNAL CORRESPONDENCE					6	MSgt	6-X-15

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0699.04.01	INSPECT FUNCTIONAL AREAS	X	X			12	MSgt	6-X-17
2) 0699.04.02	DETERMINE NEED FOR MODIFICATION OF ALLOWANCE (MOA)	X	X			12	MSgt	6-X-17

ENCLOSURE (3)

COMMON INDIVIDUAL TRAINING STANDARDS

1. <u>General</u>. This enclosure lists the ITS tasks common to more than one MOS within the OccFld. It is designed to assist the trainer in consolidating training for common tasks.

2. <u>Format</u>. The columns are as follows:

    a. <u>TASK TITLE.</u> A listing of all tasks common to at least two MOSs.

    b. <u>COMMON TASK NUMBERS</u>. A listing of the ITS designators for all ITSs containing the same task title.

TASK TITLE	COMMON TASK NUMBERS		
ASSIST COMMANDER AND STAFF IN CIS PLANNING	0691.01.06	0699.01.06	
CONDUCT CIS SITE SURVEY	0691.01.02	0699.01.02	
DETERMINE NEED FOR MODIFICATION OF ALLOWANCE (MOA)	0691.04.02	0699.04.02	
DIRECT CIS CONTROL OPERATIONS (TECHCON/SYSCON)	0691.03.05	0699.03.05	
DIRECT EMPLOYMENT OF AN/TSQ-158(V)4 EPLRS NCS	0691.02.03	0699.02.03	
DIRECT INSTALLATION OF AN/TSQ-158(V)4 EPLRS NET CONTROL STATION NCS	0691.02.02	0699.02.02	
DRAFT EMERGENCY ACTION PLAN (EAP)	0659.01.02	0681.01.01	
ENFORCE ADHERENCE TO COMSEC PROCEDURES	0691.03.09	0699.03.09	
INSPECT FUNCTIONAL AREAS	0691.04.01	0699.04.01	
MANAGE CIS ADMINISTRATIVE FUNCTIONS	0691.01.04	0699.01.04	
MONITOR INTERNAL CORRESPONDENCE	0691.03.10	0699.03.10	
MONITOR PERSONNEL GAINS/LOSSES	0691.03.07	0699.03.07	
OPERATE AN/CYZ-10	0600.03.04	0612.02.02	0621.02.11
OPERATE ELECTRONIC DATA FILE TRANSFER SYSTEM	0651.02.01	0661.03.01	
OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT	0621.04.03 0624.03.03	0622.04.03	0623.04.03
OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS	0621.04.04 0624.03.04	0622.04.04	0623.04.04
OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS	0621.04.06 0624.03.06	0622.04.06	0623.04.06

ENCLOSURE (4)

TASK TITLE	COMMON TASK NUMBERS		
OPERATE M SERIES VEHICLE OFF ROAD	0621.04.02	0622.04.02	0623.04.02
	0624.03.02		
OPERATE M SERIES VEHICLE ON ROAD	0621.04.01	0622.04.01	0623.04.01
	0624.03.01		
PERFORM COMMAND AND CONTROL (C2) SYSTEMS PLANNING	0691.02.01	0699.02.01	
PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) ON M SERIES VEHICLES	0621.04.05	0622.04.05	
PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES ON M SERIES VEHICLES	0623.04.05	0624.03.05	
PLAN A COMMERCIAL CABLE SYSTEM	0613.01.07	0619.01.09	
PLAN INTEGRATION OF ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS)	0629.01.07	0699.01.08	
REVIEW AUTOMATED MESSAGE SYSTEM PLAN	0691.01.03	0699.01.03	
SUPERVISE CIRCUIT SWITCH OPERATIONS	0691.03.01	0699.03.01	
SUPERVISE EMPLOYMENT OF SATELLITE TRANSMISSION SYSTEMS	0691.03.06	0699.03.06	
SUPERVISE EXECUTION OF CIS PLANS AND ORDERS	0691.03.08	0699.03.08	
SUPERVISE EXECUTION OF INFORMATION SYSTEMS NETWORK PLAN	0691.03.04	0699.03.04	
SUPERVISE EXECUTION OF SINGLE CHANNEL RADIO PLAN	0691.03.03	0699.03.03	
SUPERVISE EXECUTION OF TERRESTRIAL TRANSMISSION SYSTEMS PLAN	0691.03.02	0699.03.02	
VALIDATE SINGLE CHANNEL RADIO PLAN	0691.01.07	0699.01.07	
VALIDATE TACTICAL SWITCHING SYSTEM PLAN	0691.01.05	0699.01.05	

ENCLOSURE (4)

TRAINING SUPPORT

1. This enclosure summarizes five categories of training support by ITS for the entire OccFld:

    Appendix A: References

    Appendix B: Training Materiel

    Appendix C: Ammunition, Explosives, and Pyrotechnics

    Appendix D: Distance Learning Products

    Appendix E: Performance Support Tools

2. If support identified in any appendix is not applicable to this OccFld, the appendix will include a statement to that effect.

ENCLOSURE (5)

1

REFERENCES

1. <u>General</u>. References are doctrinal publications, technical manuals, and other publications upon which an ITS and its performance steps are based. They should be readily available and provide the detailed procedures for accomplishing the task. This section includes a list of all reference publications associated with any task in this OccFld.

2. <u>Format</u>. The columns are as follows:

    a. <u>REFERENCES</u>. This column summarizes all references associated with at least one ITS task in this OccFld.

    b. <u>TASK NUMBERS</u>. A listing of all ITS tasks to which the corresponding reference is associated.

<u>REFERENCES</u>   <u>TASK NUMBERS</u>

29 Code of Federal Regulations, OSHA   0614.01.05 0614.03.05
1910.1200

Applicable Software Manuals for Automated 0648.01.02
Frequency Manager Tools

Applicable Technical Publications/Manuals 0600.01.01 0600.01.02 0600.01.03 0600.02.01
                                          0600.02.02 0600.02.03 0600.02.04 0600.02.05
                                          0600.03.01 0600.03.02 0600.03.03 0600.03.04
                                          0600.04.01 0600.04.02 0600.04.05 0600.04.06
                                          0600.04.07 0600.04.08 0600.05.01 0600.05.02
                                          0600.06.01 0600.06.02 0600.07.02 0612.01.01
                                          0612.01.02 0612.01.03 0612.01.04 0612.01.05
                                          0612.01.06 0612.01.09 0612.02.02 0612.03.01
                                          0612.03.13 0612.04.04 0613.01.06 0613.02.01
                                          0613.02.02 0613.02.07 0613.02.08 0613.03.01
                                          0613.03.02 0614.01.02 0614.01.05 0614.03.01
                                          0614.03.05 0621.01.01 0621.01.02 0621.01.03
                                          0621.01.04 0621.01.05 0621.01.06 0621.01.07
                                          0621.01.08 0621.01.09 0621.01.10 0621.01.12
                                          0621.01.13 0621.01.14 0621.01.15 0621.01.16
                                          0621.01.17 0621.01.18 0621.02.01 0621.02.02
                                          0621.02.03 0621.02.04 0621.02.05 0621.02.06
                                          0621.02.09 0621.02.10 0621.02.11 0621.02.12
                                          0621.02.15 0621.02.16 0621.02.17 0621.02.18
                                          0621.02.19 0621.02.21 0621.02.22 0621.02.23
                                          0622.01.01 0622.02.01 0622.02.02 0622.03.01
                                          0623.02.01 0623.02.02 0623.03.02 0624.01.01
                                          0624.02.01 0624.02.03 0626.01.01 0626.02.01
                                          0627.01.01 0627.01.02 0627.01.03 0627.01.04
                                          0627.01.05 0627.01.06 0627.01.07 0627.02.01
                                          0627.02.02 0627.02.03 0627.02.04 0627.02.05
                                          0629.01.01 0629.01.02 0629.01.03 0629.01.04

                                                          Appendix A to
                                                          ENCLOSURE (5)

REFERENCES	TASK NUMBERS			
	0629.01.05	0629.01.06	0629.01.07	0629.01.11
	0629.02.01	0629.02.02	0629.02.03	0629.02.04
	0648.01.01	0648.01.02	0651.01.01	0651.01.02
	0651.01.03	0651.01.04	0651.01.05	0651.01.06
	0651.01.07	0651.01.08	0651.02.01	0651.02.02
	0651.02.03	0651.02.05	0651.02.06	0651.02.07
	0651.02.08	0651.03.01	0651.03.02	0651.03.03
	0651.03.04	0659.01.01	0659.02.01	0659.02.02
	0659.02.03	0659.03.02	0659.03.03	0659.03.04
	0659.03.05	0659.03.06	0661.01.01	0661.01.02
	0661.01.03	0661.02.02	0661.02.03	0661.02.04
	0661.03.02	0661.03.04	0661.04.02	0669.01.02
	0669.01.03	0669.02.01	0669.02.02	0669.03.01
	0669.03.02	0669.04.01	0669.04.02	0671.01.01
	0671.01.02	0671.01.03	0671.01.04	0671.01.05
	0671.01.06	0671.01.07	0671.01.08	0671.01.09
	0671.01.10	0671.01.11	0671.01.12	0671.02.01
	0671.02.02	0671.02.03	0671.03.01	0671.03.02
	0671.03.03	0671.03.04	0671.03.05	0671.03.06
	0671.04.01	0671.04.02	0671.05.01	0672.01.01
	0672.01.02	0672.01.03	0672.01.04	0672.01.05
	0672.01.06	0672.01.07	0672.02.01	0672.02.02
	0672.02.03	0672.02.04	0672.02.05	0672.03.01
	0672.04.01	0672.04.02	0672.05.01	0672.05.02
	0672.06.01	0672.06.02	0672.06.03	0679.01.01
	0679.01.02	0679.01.03	0679.01.04	0679.01.05
	0679.01.06	0679.01.08	0679.01.09	0679.01.10
	0681.03.03	0681.04.01	0681.04.02	0681.04.03
	0681.04.04	0681.04.05	0681.04.06	0681.04.07
	0681.04.08	0681.04.10	0689.02.01	0691.01.01
	0691.01.02	0691.01.03	0691.01.04	0691.01.06
	0691.01.07	0691.01.08	0691.02.01	0691.02.02
	0691.02.03	0691.03.01	0691.03.02	0691.03.03
	0691.03.04	0691.03.05	0691.03.06	0691.03.07
	0691.03.08	0691.03.09	0691.03.10	0691.04.01
	0691.04.02	0699.01.01	0699.01.02	0699.01.03
	0699.01.04	0699.01.06	0699.01.07	0699.01.08
	0699.02.01	0699.02.02	0699.02.03	0699.03.01
	0699.03.02	0699.03.03	0699.03.04	0699.03.05
	0699.03.06	0699.03.07	0699.03.08	0699.03.09
	0699.03.10	0699.04.01	0699.04.02	

REFERENCES	TASK NUMBERS			
Appropriate Common Source Reference File (CSRF) Instructions	0691.01.03	0699.01.03		
Computer Security Basics, Deborah Russell and G.T. Gangemi Sr, O'Reilly and Associates, Inc., 1992	0689.02.02 0689.03.04	0689.03.01 0689.03.05	0689.03.02	0689.03.03
Consolidated Memorandum Receipt (CMR)	0651.03.04			
DCAOC CONEX Plan (C)	0659.01.05			
DISANMOC CONNEX Plan	0629.01.03	0629.01.05	0691.03.06	0699.03.06

Appendix A to
ENCLOSURE (5)

REFERENCES	TASK NUMBERS			
DTD Operator Manual	0681.03.01	0681.04.10		
Defense Information Systems (DISA) circulars	0691.01.03	0699.01.03		
Distribution Plain Language Verification System (DPVS) Manual	0651.02.03	0651.02.04		
ECAC-UM-90-060	0629.01.04	0648.01.01		
Errors and Codes Manual	0661.03.04			
Motorola STU-III User's Guide	0619.01.06			
NTIA Manual	0648.01.01	0648.01.02		
Practical Unix & Internet Security 2nd ed, Simson Garfinkel and Gene Spafford, O'Reilly and associates, Inc 1996	0689.03.01	0689.03.02		
RBECS CEOI System	0691.01.07	0699.01.07		
RS 232 Interface Description	0661.04.02			
Rainbow Series, DoD Manuals CSC-STD-001 to CSC-STD-004	0689.04.01	0689.05.03		
Revised Battlefield Electronic Communication-Electronics Operating Instruction System	0629.01.01			
SOP, UNIT	0600.02.03	0600.06.01	0600.06.02	0600.07.01
	0600.07.02	0613.01.07	0619.01.09	0651.01.04
	0651.03.01	0659.01.01	0659.02.02	0659.02.03
	0659.03.01	0659.03.04	0679.01.01	0679.01.03
	0679.01.04	0679.01.05	0679.01.06	0679.01.08
	0679.01.09	0689.05.02	0691.03.05	0691.03.07
	0691.04.01	0699.03.05	0699.03.07	0699.04.01
SOP, UNIT TRAINING	0600.07.02	0659.01.03		
SPEED-SUM-001-ROCO Software User's Manual	0691.01.05	0699.01.05		
STU-III/SECTEL User's Guide	0612.02.03	0651.01.01	0651.02.01	0661.02.02
	0661.03.01			
Software User's Manual for the Communications Central AN/MSC-63A Ver 3.0 Vol 1 + 2	0659.01.05			
Spectrum Management Manual in the European Theater	0648.01.01			

Appendix A to
ENCLOSURE (5)

REFERENCES	TASK NUMBERS			
System Planning, Engineering and Evaluation Device (SPEED) Software User's Manual	0629.01.01	0629.01.02	0629.01.03	0629.01.04
TRADOC Pamphlet 525-23	0600.03.01			
U.S. Navy Security Test and Evaluation (ST&E) Handbook (2 Nov 87)	0689.01.05			
ULCS Staff Planners Guide	0691.01.05	0691.03.01	0699.01.05	0699.03.01
UNIX Operating System Manual	0651.02.02	0659.03.03	0659.03.06	
UNIX System and Network Administration Manual	0659.03.03			
USMC Concept of Operation for the AN/MSC-63A	0659.01.05			
Unit Individual Training Records	0600.07.02			
Windows NT Security, Charles B. Rutstein, National Computer Security Association. Mcgraw Hill, 1997	0689.03.01			
ACP-117, CAN-US SUPP 1 (K), Allied Routing Indicator Book (Section I & II)	0651.02.04	0651.02.05	0651.02.08	
ACP-121, Communications Instructions - General	0651.02.04 0699.01.03	0651.02.05	0651.02.08	0691.01.03
ACP-122, Communications Instruction - Security	0651.02.04	0651.02.05	0651.02.08	0659.03.01
ACP-125, Communications Instruction for Radio Telephone Procedures	0621.02.01 0691.03.03	0621.02.14 0699.03.03	0621.03.01	0629.02.01
ACP-126, Communications Instruction - Teletypewriter	0651.02.04	0651.02.05	0651.02.08	0659.01.03
ACP-131, Communications Instruction - Operating Procedures	0621.02.01 0629.02.01 0691.01.03	0621.02.14 0651.02.03 0691.03.03	0621.03.01 0651.02.05 0699.01.03	0626.02.01 0659.03.01 0699.03.03
AFCS 100-16, High Frequency Radio Communications in a Tactical Environment	0629.02.02			
ASC-1, GMFSC Operator Procedures	0627.01.01 0691.03.06	0627.01.02 0699.03.06	0629.01.05	0629.01.10
ASC-2, GMFSC Anti-jam Operating Procedures	0627.01.01	0627.01.02	0629.01.05	0629.01.10
ASC-3, GMFSC Management Policy and	0627.01.01	0627.01.02	0629.01.05	0629.01.10

REFERENCES	TASK NUMBERS			
Procedures	0691.03.06	0699.03.06		
CFR 1910.1200, Title 29 Federal Regulations, Hazardous Communications	0612.03.13			
CJCSI 6510.01_ W/CH1, Defense Information Operations	0689.02.02	0689.02.04		
CJCSM 6231, Joint Tactical Communication Systems Manuals	0614.01.02	0619.01.02	0619.01.04	0619.02.01
	0691.01.01	0691.01.03	0691.02.01	0691.03.01
	0691.03.02	0691.03.04	0691.03.06	0691.03.08
	0691.03.09	0699.01.01	0699.01.03	0699.02.01
	0699.03.01	0699.03.02	0699.03.04	0699.03.06
	0699.03.08	0699.03.09		
CMS-1_, COMSEC Material System Policy & Procedures Manual	0600.02.03	0600.03.02	0600.03.03	0600.03.04
	0612.02.02	0614.01.06	0614.02.02	0621.02.11
	0629.02.04	0651.01.04	0659.01.02	0659.01.04
	0659.03.01	0681.01.01	0681.01.02	0681.01.04
	0681.02.01	0681.03.01	0681.03.03	0681.04.01
	0681.04.03	0681.04.04	0681.04.05	0681.04.06
	0681.04.07	0681.04.08	0681.04.09	0681.04.10
	0691.03.09	0699.03.09		
CMS-21, COMSEC Material System Policy and Procedures	0681.01.02	0681.01.03	0681.01.04	0681.01.05
	0681.02.01	0681.02.02	0681.03.01	0681.03.02
	0681.03.03	0681.04.01	0681.04.03	0681.04.04
	0681.04.05	0681.04.06	0681.04.07	0681.04.08
	0681.04.09	0681.04.10		
CMS-3_, EKMS Inspection Manual	0681.02.01			
CMS-6, STU III Key Management	0681.02.01	0681.02.02	0681.04.01	0681.04.10
CMS-9, DON Certification Authority Policy and Procedures (DRAFT)	0681.03.04			
DCA CIRC 800-70-1, Operation and Control of the Defense Satellite Communications System	0629.01.03			
DCAC 310-130-1, Defense Communications System Telecommunications Service Requests	0691.01.01	0691.03.06	0699.01.01	0699.03.06
DCMS, 90 Day Message	0681.02.02			
DOD 5200.28, Security Requirements for Automated Information Systems (AIS)	0689.01.01	0689.03.01	0689.03.04	0689.03.05
DOD 5200.28-STD, DOD Trusted Computer System Evaluation Criteria	0689.03.01	0689.03.04	0689.03.05	
DOD 5200.40, DOD Information Technology	0689.01.01	0689.01.06		

REFERENCES	TASK NUMBERS			
Security Certification and Accreditation Process (DITSCAP)				
DOI-103, DSSCS	0691.01.01	0691.03.06	0699.01.01	0699.03.06
ECAC-CR-82-125, HF Predictions Manual	0629.01.04			
ECAC-CR-83-200, Field Antenna Handbook	0629.02.02			
EKMS 704, LMD/KP Operators Manual	0681.01.03	0681.02.02		
EKMS-702.01, STU III Key Management Plan	0681.02.01	0681.03.02	0681.04.01	0681.04.10
EXECUTIVE ORDER 12958, Classified National Security Information	0689.02.03			
FM 11-372-2, Outside Plant Cable Placement	0612.01.01	0612.01.03	0612.01.04	0612.01.05
	0612.01.06	0612.03.01	0613.01.01	0613.01.03
	0613.01.04	0613.01.05	0613.01.06	0613.01.08
	0613.01.09	0613.01.10	0613.02.01	0613.02.02
	0613.02.03	0613.02.04	0613.02.07	0613.02.08
	0613.02.09	0619.01.03	0619.02.01	0619.02.02
FM 11-490-6, Long Haul Telecommunications Services	0600.02.01			
FM 11-497-1, Standard Installation Practices HF Radio Communications Systems	0629.02.02			
FM 11-65, High Frequency Radio Communications	0629.02.02			
FM 20-31, Electric Power Generation in the Field	0600.01.01			
FM 21-305, Manual for Wheeled Vehicle Driver	0621.04.01	0621.04.02	0621.04.03	0621.04.04
	0621.04.06	0622.04.01	0622.04.02	0622.04.03
	0622.04.04	0622.04.06	0623.04.01	0623.04.02
	0623.04.03	0623.04.04	0623.04.06	0624.03.01
	0624.03.02	0624.03.03	0624.03.04	0624.03.06
FM 21-31, Topographic Symbols	0623.02.01			
FM 24-17, Tactical Record Traffic Systems	0651.02.04			
FM 24-18, Tactical Single Channel Radio Communications Techniques	0621.01.18	0621.02.22	0629.01.01	0629.02.01
	0629.02.02	0629.02.04	0691.01.07	0691.03.03
	0699.01.07	0699.03.03		
FM 24-20, Tactical Wire and Cable Techniques	0612.01.01	0612.01.03	0612.01.04	0612.01.05
	0612.01.06	0612.01.07	0612.01.08	0612.01.09
	0612.03.01	0613.01.02	0613.01.06	0613.01.08
	0613.02.01	0613.02.02	0613.02.07	0613.02.08
	0619.01.01	0619.01.03	0619.01.05	0619.02.01

REFERENCES	TASK NUMBERS			
	0619.02.02	0691.01.05	0691.03.01	0699.01.05
	0699.03.01			
FM 55-15, Transportation Reference Data	0613.02.10			
FM 55-30, Army Motor Transport Units and Operations	0621.04.01	0621.04.02	0621.04.04	0621.04.06
	0622.04.01	0622.04.02	0622.04.04	0622.04.06
	0623.04.01	0623.04.02	0623.04.04	0623.04.06
	0624.03.01	0624.03.02	0624.03.04	0624.03.06
FMFM 3-1, Command and Staff Action	0619.01.01			
FMFM 3-3_, Guide to Electromagnetic Interference Control	0651.01.03			
FMFM 4, Combat Service Support	0600.04.07			
FMFM 4-6, Air Movement of FMF Units	0622.02.03			
FMFM 4-9, Motor Transport	0621.04.01	0621.04.02	0621.04.03	0621.04.04
	0621.04.06	0622.04.01	0622.04.02	0622.04.03
	0622.04.04	0622.04.06	0623.04.01	0623.04.02
	0623.04.03	0623.04.04	0623.04.06	0624.03.01
	0624.03.02	0624.03.03	0624.03.04	0624.03.06
FMFRP 3-34, Field Antenna Handbook	0621.01.18			
FMFRP 4-14, Field Grounding Procedures for Computers and Generators	0600.03.01			
FSCS-200-83-1, Navy UHF Satellite Communications System Description	0629.01.03			
FTP PAC/IO, INST 2000.1C	0629.01.08	0629.01.09		
IRM 5510-01, Information Resources Management Data Access Security Manual	0689.04.01	0689.04.02	0689.05.01	0689.05.03
IRM 5510-04, ADP Contingency Planning	0689.05.02			
IRM-5239-04, Local and Wide Area Networks	0689.03.02			
IRM-5239-06, Data Access Security	0689.03.04			
IRM-5239-08_, Computer Security Procedures	0689.01.04	0689.02.01	0689.02.02	0689.02.03
	0689.02.04	0689.02.05	0689.03.01	0689.03.02
	0689.03.03	0689.03.04	0689.03.05	
IRM-5239-09, Contingency Planning	0689.01.04			
IRM-5239-10, Small Computer System Security	0689.03.03			
IRM-5239-13, System Security Plan	0689.01.01	0689.01.02		

Appendix A to
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REFERENCES	TASK NUMBERS			
JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures	0651.02.03 0659.01.03 0699.01.03	0651.02.04 0659.01.05	0651.02.05 0659.03.01	0651.02.08 0691.01.03
JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways	0691.01.01 0699.01.01	0691.01.05 0699.01.05	0691.03.01 0699.03.01	0691.03.06 0699.03.06
JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications	0691.01.01 0691.03.08 0699.03.06	0691.01.03 0699.01.01 0699.03.08	0691.01.05 0699.01.03	0691.03.06 0699.01.05
JTC3A HDBK 8000, Joint Connectivity Book	0691.01.01	0691.03.06	0699.01.01	0699.03.06
LMD/KP, Local Management Device/Key Processor Operators Manual	0681.02.01	0681.03.02		
LMM-9, Limited Maintenance Manual, TSEC/KY-99	0621.01.12	0621.02.20		
MCBUL 3000, Table MARES LOG Reportable Equipment	0627.01.08			
MCO 2040.10, TSEC KYV-2A	0621.02.17			
MCO 2400.2, USMC Mgmt of Radio Frequency Spectrum	0648.01.01	0648.01.02		
MCO 2410.2_, Electromagnetic Environmental Effects (E3) Control Program	0600.04.03	0648.01.01		
MCO 4400.82, MIMMS Controlled Item Management Manual	0651.03.04			
MCO 4790.1B, MARINE CORPS INTEGRATED MANAGEMENT SYSTEM (MIMMS) INTRODUCTION MANUAL	0600.07.01			
MCO 5100.25, Hazardous Material Information System	0621.04.05	0622.04.05	0623.04.05	0624.03.05
MCO 5230.1, Marine Corps Information Management Responsibilities	0689.01.01			
MCO 5231.1_, Life Cycle Management for Automated Information Systems	0679.01.01	0679.01.03	0679.01.04	
MCO 5510.14, Marine Corps ADP Security Manual	0689.04.01	0689.04.02	0689.05.01	0689.05.03
MCO P1200.7, MOS Manual	0619.03.01			

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REFERENCES	TASK NUMBERS			
MCO P4400.150, Consumer Level Supply Policy Manual	0600.04.08			
MCO P4600.7_, USMC Transportation Manual	0600.04.07	0600.06.01	0600.06.02	0622.02.03
MCO P4790.2, MIMMS Field Procedures Manual	0600.04.06	0600.05.01	0600.07.02	0612.03.13
	0621.04.05	0622.04.05	0623.04.05	0624.02.02
	0624.03.05	0627.01.08	0651.03.02	0651.03.04
	0691.01.04	0691.04.01	0691.04.02	0699.01.04
	0699.04.01	0699.04.02		
MCO P5230.14, Marine Corps Data Network (MCDN) Management and Control Manual	0661.02.01	0661.03.03	0661.04.01	0691.03.04
	0699.03.04			
MCO P5231.1, Life Cycle Management for Automated Information Systems	0679.01.06	0679.01.08	0679.01.09	
MCO P5233.1, Marine Corps ADP Management Standards Manual	0661.04.01			
MCRP 3-0A, Unit Training Management Guide	0600.07.02			
MCRP 3-0B, How to Conduct Training	0600.07.02			
MCRP 3-22_, Spectrum Management	0648.01.01			
MCRP 6-22_, Radio Operator's Handbook	0629.01.08	0629.01.09	0629.02.02	
MCWP 3-1, Ground Combat Operations	0613.01.07	0619.01.01	0619.01.09	0629.01.01
	0659.01.01	0691.01.02	0691.01.06	0699.01.02
	0699.01.06			
MCWP 4-26, Supply Operations	0600.04.07	0600.06.02		
MCWP 6-22, Communication and Information Systems	0600.01.01	0600.02.04	0600.03.02	0612.01.01
	0612.01.03	0612.01.04	0612.01.05	0612.01.06
	0612.03.01	0613.01.07	0619.01.01	0619.01.09
	0619.02.01	0619.02.02	0619.03.01	0621.02.22
	0621.03.01	0629.01.01	0629.01.02	0629.01.10
	0629.02.01	0629.02.03	0629.02.04	0648.01.01
	0659.02.01	0659.03.01	0681.01.04	0691.01.01
	0691.01.02	0691.01.05	0691.01.06	0691.01.07
	0691.02.01	0691.03.01	0691.03.02	0691.03.03
	0691.03.04	0691.03.05	0691.03.06	0691.03.08
	0691.03.09	0699.01.01	0699.01.02	0699.01.05
	0699.01.06	0699.01.07	0699.02.01	0699.03.01
	0699.03.02	0699.03.03	0699.03.04	0699.03.05
	0699.03.06	0699.03.08	0699.03.09	
MIL-HDBK 419_, Grounding Techniques	0600.02.01			
MOP 178, Joint Chiefs of Staff Maintenance Operating Plan	0629.01.05			

REFERENCES	TASK NUMBERS			
NAG-14_, Safeguarding COMSEC Material and Facilities	0681.01.03			
NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises	0600.03.03 0681.01.03 0699.03.09	0600.03.04 0681.03.01	0612.02.02 0681.04.10	0621.02.11 0691.03.09
NAG-69_, Information System Security Policy and Procedures for FORTEZZA Card Certification Authority Workstations	0681.01.03			
NAG-71, Interim Operational Security Doctrine for the Local Management Device/Key Processor (LMD/KP)	0681.01.03			
NAVMC 2800, Joint User's Handbook for Message Text Format (JUHMTF)	0651.02.03	0651.02.04		
NAVSEA OP 3565, Electromagnetic Radiation Hazards to Ordnance (HERO)	0648.01.01	0648.01.02		
NAVSO 5239-15, Controlled Access Protection Guide	0689.03.01			
NAVSO P-5239-04, Information Systems Security Manager Guidebook	0689.01.02			
NAVSO P-5239-08, Network Security Officer's Guidebook	0689.03.01			
NAVSO P-5239-13, Certification and Accreditation Guidebook	0689.01.01	0689.01.06		
NAVSO P-5239-16, Risk Assessment Guidebook	0689.01.01	0689.01.03	0689.02.06	
NAVSO P-5239-18, Security Test and Evaluation Guidebook	0689.01.01			
NAVSO P-5239-19, Computer Incident Response Guidebook	0689.02.02	0689.02.04		
NAVSO P-5239-26, Security Guidebook	0689.02.03			
NAVSO P-5510-22, Protected Distributed System Guidebook	0689.02.03			
NCSC-TG-001, A Guide to Understanding Audit in Trusted Systems	0689.03.05			
NCSC-TG-027, A Guide to Understanding Information Systems	0689.01.01			
NISTIR 4939, Threat Assessment of	0689.02.02			

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REFERENCES	TASK NUMBERS			
Malicious Code and External Attacks.				
NSCS-TG-029, Introduction to Certification and Accreditation (9/94)	0689.01.06			
NSCS-TG-030, A Guide to Understanding Covert Channel Analysis of Trusted Systems (11/93)	0689.01.06			
NSHFC 301, Navy SHF Satellite Communications System Description	0629.01.03			
NSTISSI 4005, Safeguarding Communications Security (COMSEC) Facilities and Materials	0681.01.03			
NTP-3, Plain Language Address Directory (PLAD)	0651.02.03 0659.03.01	0651.02.04 0681.01.02	0651.02.05 0691.03.10	0659.02.01 0699.03.10
NTP-4, Naval Telecommunications Procedures/Fleet	0627.01.03 0629.02.03 0659.01.02 0681.01.01	0627.01.04 0651.02.04 0659.01.03 0691.01.03	0629.01.05 0651.02.05 0659.02.01 0699.01.03	0629.01.08 0651.02.08 0659.03.01
NTP-6, Spectrum Management Manual	0648.01.01			
NWP-11, Naval Operational Planning	0659.01.03			
NWP-4, Basic Operational Communications Doctrine	0691.01.01	0699.01.01		
OMB CIRCULAR A-130, Management of Federal Information Resources	0689.01.02	0689.02.05		
OPNAV 5510, Information and Personnel Security Program	0661.02.02			
OPNAVINST 2400.20, Navy Management of the Radio Frequency Spectrum	0648.01.01			
OPNAVINST 5239.1_, Navy Information Assurance (IA) Program	0681.01.01 0689.05.03	0689.04.01	0689.04.02	0689.05.01
OPNAVINST 5510.39_, (Classified)	0689.02.03			
OPNAVINST 5530.18_, Department of the Navy Physical Security Program	0681.01.01	0681.04.09	0689.02.01	
OPNAVINST 5605, Physical Security	0659.01.02			
PUBLIC LAW 100-235, Computer Security Act of 1987	0689.01.02	0689.02.05		
SB, Battery Procedures	0600.04.08			

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REFERENCES	TASK NUMBERS			
SECNAVINST 5239.3, DON Information Systems Security (INFOSEC) Program	0689.01.01			
SECNAVINST 5510.30_, Department of the Navy Personal Security Program	0600.03.02 0669.01.01 0689.02.03 0699.01.04	0629.02.03 0681.01.01 0689.02.05 0699.03.09	0659.01.02 0681.01.03 0691.01.04	0659.03.01 0689.02.01 0691.03.09
SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation	0681.01.01 0681.04.04 0689.02.05	0681.01.03 0681.04.06	0681.01.04 0689.01.01	0681.04.03 0689.02.03
SL-3-09589_, AN/TSC-120, Communications Central	0624.02.02			
TC 11-6, Grounding Techniques	0600.03.01			
TI 4400-15/1, Packaging, Handling, Storage and Transportation of Electrostatic Discharge Sensitive Items	0600.04.03			
TM 05684C/05685B-12, MEP-3 Generator Set	0623.02.01	0623.03.01	0623.03.02	0624.01.01
TM 06827B-10/1, Radio Set AN/PRC-68A	0621.02.17			
TM 06858B/06859D-12, MEP-5 Generator Set	0623.02.01	0623.03.01	0623.03.02	
TM 07508A-14, Inst Manual Antenna AS 2259/GR	0621.01.05			
TM 07737B-10/1, Systems Operation Manual, Communications Central AN/MSC-63	0659.01.05	0659.03.05	0691.01.03	0699.01.03
TM 07737B-10/2, COMM CNTRL MSC-63A	0659.03.05			
TM 07748B-12/1, Radio Set AN/PRC-104	0621.01.05	0621.01.09	0621.02.03	
TM 07749/07743-12-1, Radio Set AN/GRC-193 AN/MRC-138	0621.01.05	0621.01.10	0621.02.06	
TM 07749/07743-12-2, Amplifier-Converter AM-6879/URC	0621.01.10	0621.02.06		
TM 08077A-14, Power Supply PP-7733/GRC	0600.02.02			
TM 08104A-14/1, Facsimile Set Tact AN/GXC-7A	0621.02.19			
TM 08166A-12, AN/TSC-96	0626.01.01	0626.02.01	0629.01.08	0629.01.09
TM 08235-14/1, Battery Assy Case CY-7875/PRC-104	0621.01.09	0621.02.03		

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REFERENCES	TASK NUMBERS			
TM 08347A/08348A, Ground Mobile Forces Satellite Communications System	0629.01.03			
TM 08439A-10/1, Switchboard Telephone Automatic SB-3865(P)/TTC	0612.03.05	0612.03.08	0612.03.13	0612.04.01
TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC	0612.03.04 0612.03.08 0612.04.01	0612.03.05 0612.03.09 0614.01.08	0612.03.06 0612.03.10 0619.01.02	0612.03.07 0612.03.13 0619.01.04
TM 08439A-35/3, Switchboard SB-3865(P)/TTC	0612.03.05	0612.03.08	0612.03.13	
TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)	0614.01.01 0614.01.06 0614.02.02 0619.01.02	0614.01.03 0614.01.07 0614.03.02 0619.01.04	0614.01.04 0614.01.08 0614.03.03	0614.01.05 0614.02.01 0614.03.05
TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42	0614.01.01 0619.01.04 0699.01.05	0614.01.03 0619.01.07 0699.03.01	0614.02.01 0691.01.05	0614.03.02 0691.03.01
TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)	0614.01.01 0614.02.01	0614.01.03 0614.03.02	0614.01.05 0614.03.05	0614.01.06
TM 08487A-12&P/1, Digital Comm Terminal AN/PSC-2	0621.01.15	0621.02.15		
TM 08487A-14/1A, Digital Comm Terminal Pocket Checklist	0621.01.15			
TM 08487C-12&P/1, Digital Comm Terminal AN/PSC-2	0621.01.15			
TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5	0623.01.01 0623.02.02 0629.01.11	0623.01.02 0623.03.01	0623.01.03 0623.03.02	0623.02.01 0629.01.02
TM 08761A-12/1, Digital Data Modem MD-1026(P)/G	0623.02.01	0623.03.01	0623.03.02	
TM 08789B-12/1, Digital Nonsecure Voice Terminal with Digital Data Port TA-1042A/U	0612.04.01	0614.03.04		
TM 08792A-12/1, Multiplexer-Combiner TD-1234(P)/TTC	0623.02.01			
TM 09006A-10/1, Converter Set Fiber Optic AN/GSC-54	0612.01.02	0619.01.05		
TM 09090A-12/1, Operator and Organizational Maintenance for Advanced Narrow Band Digital Voice Terminal	0659.01.04			

REFERENCES	TASK NUMBERS			
TM 09120A-14/1, MRC Radio Set AN/MRC-140	0621.01.17	0621.02.13		
TM 09150A-15, FMF EUCE Combined User and Computer Operation Manual	0651.02.01	0659.01.04	0661.03.01	
TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC	0623.02.01	0623.02.02	0623.03.01	0623.03.02
TM 09543A-12, AN/MRC-142 Radio Terminal Set	0622.01.01 0629.01.02	0622.02.01	0622.02.02	0622.03.01
TM 09589A-14&P/1, AN/TSC-120 Communications Central	0624.01.01 0629.01.04	0624.02.01	0624.02.02	0624.02.03
TM 097726A-13, LMM-9A/TSEC KY-99	0621.01.16	0621.01.17	0624.01.01	0624.02.01
TM 09880A-10, AN/PSN-11 (PLGR)	0621.02.07			
TM 09955A-10/1, Facsimile Set Tact AN/UXC-7A or B	0621.01.14	0621.02.19		
TM 1005-13&P, Maintenance for Weapons Mount to Tactical Vehicles	0621.04.05	0622.04.05	0623.04.05	0624.03.05
TM 10050A-14, Ditch Witch Model 2300	0613.01.04			
TM 11-455, Radio Fundamentals	0629.02.02			
TM 11-5805-201-12, Telephone Sets TA-312/PT and TA-312A	0612.04.02			
TM 11-5805-262-12, Maintenance Manual SB-22/PT and SB-22A	0612.03.11	0612.03.12	0612.04.05	
TM 11-5805-650-12, Telephone Set TA-838/TT, TA-838A/TT	0612.04.03	0624.02.01		
TM 11-5805-695-12, Operator's and Organizational Maintenance Manual for Switchboard, Telephone, SB-3614(V)/TT	0612.03.02	0612.03.03		
TM 11-5810-256-10-1, Sec Equip KY-57	0621.01.04			
TM 11-5810-256-10-2, Sec Group KY-57	0621.01.04			
TM 11-5810-256-12, Communications Security Equip TSEC/KY-57	0621.01.04	0621.01.14	0621.01.16	
TM 11-5810-256-OP, Comm Security Equip TSEC/KY-57	0621.01.04			
TM 11-5810-262-12, TSEC/KY-58	0623.02.01	0623.03.01		

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REFERENCES	TASK NUMBERS			
TM 11-5810-292-13, Comm Security Equip KOI-18/TSEC	0621.01.04	0621.02.18		
TM 11-5810-292-OP, Comm Sec Equip TSEC/KY-57	0622.01.01			
TM 11-5810-312-12, Comm Sec Equip TSEC/KY-57 Install Kit	0621.01.04			
TM 11-5810-329-10, Voice Terminal TSEC/KY-68	0612.02.01 0623.03.01	0612.04.06 0651.01.01	0619.01.08 0661.02.02	0623.02.01
TM 11-5810-329-23, Voice Terminal TSEC KY-68	0619.01.08			
TM 11-5810-365-10, TSEC/KG-194	0623.02.01	0623.03.01	0627.01.03	
TM 11-5810-365-23, TRNK ENCRYPT Device KG-94A/KG-194A	0622.01.01	0627.01.03		
TM 11-5810-377-10, Operators Manual General Purpose Telegraph Encryption Equipment, TSEC/KG-84C	0624.01.01	0624.02.01		
TM 11-5820-477-12, Radio Set Control Group AN/GRA-39	0621.01.08			
TM 11-5820-615-12, Radio Set C-6709/G	0612.04.07			
TM 11-5820-890-10-1, Operator Manual for SINCGARS Ground Combat Net Radio	0621.01.01 0629.02.01	0621.01.03	0621.01.06	0621.02.08
TM 11-5820-890-10-2, SINCGARS ICOM Ground Radio	0621.01.01	0621.01.03	0621.02.04	0621.02.09
TM 11-5820-890-10-6, SINCGARS ICOM Ground Radios Used With Automated Net Control Device (ANCD) AN/CYZ-10	0621.01.03	0629.02.01		
TM 11-5820-890-10-7, Net Control Station (NCS) Pocket Guide	0629.02.01			
TM 11-5820-890-10-8, SINCGARS	0621.01.06	0621.02.08		
TM 11-5825-295-10, EPLRS	0691.02.02	0691.02.03	0699.02.02	0699.02.03
TM 11-5895-10/1, Radio Set AN/PSC-3	0621.01.16	0621.01.17		
TM 11-5895-1127-10, Operator's Manual for Satellite Communication Terminals AN/TSC-93B(V)1 and TSC-93B(V)2	0627.01.02	0627.01.06	0627.02.02	
TM 11-5895-1128-10, Satellite Communication Terminal AN/TSC-85	0627.01.06	0627.02.01	0627.02.03	

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REFERENCES	TASK NUMBERS			
TM 11-5895-1325-12&P, Digital Comm Terminal AN/PSC-2A	0621.01.15			
TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance	0627.01.01 0627.01.08 0629.02.03	0627.01.03 0627.02.01	0627.01.04 0627.02.03	0627.01.06 0629.01.10
TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance	0627.01.01 0627.01.08 0629.02.03	0627.01.03 0627.02.01	0627.01.04 0627.02.03	0627.01.06 0629.01.10
TM 11-5895-1434-34, Direct Support and General Support Maintenance Manual for Satellite Communication Terminal AN/TSC-93B(V)1	0627.01.08	0627.02.02	0629.01.10	
TM 11-5895-20P/6, Radio Set AN/PSC-3	0621.02.12			
TM 11-5985-357-13, Antenna Group OE-254/GRC	0621.01.07			
TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G	0627.01.01 0627.02.03	0627.01.05	0627.02.01	0627.02.02
TM 11-5995-208-10, Operator's Manual for Cable Assembly	0623.02.01	0623.03.01		
TM 11-6020-200-10/02, Tactical Fiber Optic Cable Assembly (TFOCA) CX-13295/G-300 Meters	0619.01.05			
TM 11-7010-263-138P, Revised Battlefield Electronic System and Revised Support Software	0648.01.02			
TM 2000-15/2, Principle Techncial Characteristics of U.S. Marine Corps Communications Electronic Equipment	0600.01.01	0629.01.03		
TM 2320-10/6A, Truck Utility 1/4 Ton 4X4	0621.01.10 0621.02.09 0624.02.02	0621.01.13 0621.02.13	0621.01.17 0623.02.01	0621.02.06 0624.01.01
TM 4700-15/1, Equipment Record Procedures	0600.04.01 0613.03.01 0627.02.05	0600.04.04 0613.03.02 0651.03.02	0600.04.05 0624.02.02 0691.04.01	0600.05.02 0627.02.04 0699.04.01
TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures	0621.04.01 0622.04.02	0621.04.02 0622.04.05	0621.04.05 0623.04.01	0622.04.01 0623.04.02

REFERENCES	TASK NUMBERS			
	0623.04.05	0624.03.01	0624.03.02	0624.03.05
TM 4790.2_, MIMMS Field Procedures Manual	0600.05.01	0600.05.02	0613.03.01	0613.03.02
	0627.02.04	0691.04.01	0699.04.01	
TM 5-1080-200-13&P, Operators, Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems	0600.02.05			
TM 5-4120-363-14, AIRCONDVERT Compact 36000 BTU	0659.03.05			
TM 5-4120-383-14, Air Conditioner Horiz 9000 BTU/H	0624.01.01			
TM 5-765, Electric Power Transmission and Distribution	0600.01.01			
TM 5805-12/1, Multiplexer TD-1235(P)/TTC	0614.03.01	0623.02.01	0623.03.01	
TM 5805-12/2, Multiplexer TD-1236/G	0623.02.01	0623.03.01		
TM 5820-12&P/1, AN/PSC-5	0621.01.16	0621.01.17		
TM 5820-498-12, SINCGARS Operator Level Maintenance Manual	0621.02.04	0621.02.09		
TM 5840-12/1, Transponder Set, AN/PPN-19(V)1	0621.02.16			
TM 5895-10/1, Rad Set AN/PSC-3	0621.01.16	0621.02.13		
TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series	0613.02.10	0621.04.01	0621.04.02	0621.04.03
	0621.04.04	0621.04.05	0621.04.06	0622.04.01
	0622.04.02	0622.04.03	0622.04.04	0622.04.05
	0622.04.06	0623.03.01	0623.04.01	0623.04.02
	0623.04.03	0623.04.04	0623.04.05	0623.04.06
	0624.03.01	0624.03.02	0624.03.03	0624.03.04
	0624.03.05	0624.03.06		
TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW	0613.01.01	0613.01.04	0613.01.06	0613.01.08
	0613.01.09	0613.02.01	0613.02.02	0613.02.04
	0613.02.05	0613.02.06	0613.02.07	0613.02.08
	0613.02.10	0613.02.11	0613.02.12	0613.02.13
TM 9-2320-272-10, Operator Manual for M939 Series Vehicle	0613.02.10	0621.04.01	0621.04.02	0621.04.03
	0621.04.04	0621.04.05	0621.04.06	0622.04.01
	0622.04.02	0622.04.03	0622.04.04	0622.04.05
	0622.04.06	0623.04.01	0623.04.02	0623.04.03
	0623.04.04	0623.04.05	0623.04.06	0624.03.01
	0624.03.02	0624.03.03	0624.03.04	0624.03.05
	0624.03.06			
TM 9-2320-280-10, Operator Manual for the	0621.04.01	0621.04.02	0621.04.03	0621.04.04

REFERENCES	TASK NUMBERS			
1 1/2 Ton M998	0621.04.05	0621.04.06	0622.04.01	0622.04.02
	0622.04.03	0622.04.04	0622.04.05	0622.04.06
	0623.04.01	0623.04.02	0623.04.03	0623.04.04
	0623.04.05	0623.04.06	0624.03.01	0624.03.02
	0624.03.03	0624.03.04	0624.03.05	0624.03.06
TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel	0621.04.03	0621.04.05	0622.04.03	0622.04.05
	0623.02.01	0623.04.03	0623.04.05	0624.03.03
	0624.03.05			
TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel	0621.04.03	0621.04.05	0622.04.03	0622.04.05
	0623.04.03	0623.04.05	0624.03.03	0624.03.05
TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel	0621.04.03	0621.04.05	0622.04.03	0622.04.05
	0623.04.03	0623.04.05	0624.03.03	0624.03.05
TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel	0621.04.03	0621.04.05	0622.04.03	0622.04.05
	0623.04.03	0623.04.05	0624.03.03	0624.03.05
TM 9406-15, Grounding Procedures	0600.02.02	0600.04.03	0621.01.14	0621.01.18
TM 9999-15/1, ESD Awareness Electro-Static Discharge	0600.04.03			
TM 9999-15/2, Electro-Static Discharge (ESD) Management	0600.04.03			
TM MRC-142, Technical Manual - AN/MRC-142 MUX Radio	0622.01.01			
TO 31R2-2PRC-113-1-1, Supplemental Operators Manual Radio Set, AN/PRC-113(V)3	0621.01.11	0621.02.10		
TO 31R2-2URC-63, REL/TRANS RT-1319 URC	0621.01.11	0621.02.10		
TO 31R2-2VRC83-3, Supplemental Operator Manual Radio Set AN/VRC-83(V)3	0621.01.13	0621.02.23		
TO 31R2-PRC-113-6WC, Radio Set, AN/PRC-113(V)3	0621.01.11	0621.02.10		
TO 31W2-4-333-1, Signaling and Terminating Unit (STU-5M)	0624.02.01			
UM 4400-124, FMF SASSY Using Unit Procedures	0600.05.01			
UM 4790-5, MIMMS (AIS) FMSS	0600.04.04	0600.05.01	0651.03.02	0691.04.01
	0699.04.01			
UNIT TO/E, Table of Organization/Equipment	0651.03.04			

REFERENCES	TASK NUMBERS
USAF CED 2300, Radio Communications Systems Planning	0629.02.02
USCINCPACINST 2400.1, Spectrum Management Manual	0648.01.01

TRAINING MATERIEL

1. General. Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard.

2. Format. The columns are as follows:

    a. MATERIEL. This column summarizes all training materiel used in support of at least one ITS task in this OccFld.

    b. TASK NUMBERS. A listing of all ITS tasks supported by the corresponding training support item in the Materiel column. An asterisk (*) precedes any task for which the training support item is mandatory for execution of the task.

MATERIEL	TASK NUMBERS			
AN/CYZ-10 Digital Transfer Device	0600.03.03 0621.01.01 0621.01.03	0600.03.04 0621.02.11	0612.02.01	0612.02.02
AN/GRA Radio Set Control Group	*0621.01.08			
AN/GSC-54 Fiber Optic Converter	*0612.01.02			
AN/GSQ-261 Tactical Remote Sensor System (TRSS)	0600.02.01			
AN/MRC-110A Radio Terminal Set	0600.02.01	0621.01.01	0621.02.09	0629.02.01
AN/MRC-138A Radio Set	*0621.01.10	*0621.02.06		
AN/MRC-138B Radio Set	0600.02.01			
AN/MRC-140 Radio Set	*0621.01.17			
AN/MRC-142 Radio Set	0600.02.01	*0622.02.01	*0622.03.01	
AN/MRC-145 Radio Set	0600.02.01			
AN/MSC-63A Communications Central	0651.02.08	*0659.03.05		
AN/PPN-19 Radar Transponder Beacon	*0621.02.16			
AN/PRC-104 Radio Set	0600.02.01	*0621.01.09	*0621.02.03	

MATERIEL	TASK NUMBERS			
AN/PRC-113 (V) 3 Radio Set	0600.02.01	0621.01.11	*0621.02.10	
AN/PRC-119 Radio Set	0600.02.01	*0621.01.03	*0621.02.04	
AN/PRC-119A Radio Set	0621.01.06	0629.02.01		
AN/PRC-68A	0621.02.17			
AN/PSC-2	*0621.01.15			
AN/PSC-3	0621.01.16			
AN/PSC-5 Satellite Communications Radio System	0621.01.16			
AN/PSN-11	*0621.02.07			
AN/TRC-170 (V)5	*0623.03.01	*0623.03.02		
AN/TRC-170 Radio Terminal Set	0600.02.01	0623.01.03	0623.02.01	*0623.02.02
AN/TSC-120 Communications Central	0600.02.01	*0624.01.01	*0624.02.01	*0624.02.02 *0624.02.03
AN/TSC-154	*0627.01.07	*0627.02.03		
AN/TSC-85B Ground Mobile Forces Satellite Communications Terminal	0600.02.01	*0627.01.01	*0627.02.01	
AN/TSC-93B Ground Mobile Forces Satellite Communications Terminal	0600.02.01	*0627.01.02	*0627.02.02	
AN/TSC-96A Satellite Communications Central	0600.02.01	*0626.01.01	*0626.02.01	0659.03.05
AN/TSQ-158 (V) 4 Net Control Station (EPLRS)	*0691.01.08	*0699.02.03		
AN/TTC-42 Automatic Telephone Central Office	0612.01.02 0612.04.01 0614.01.01 0614.01.02 0614.01.03 *0614.01.04 *0614.01.05 *0614.01.07 *0614.02.01 0614.02.02 *0614.03.02 *0614.03.03 *0614.03.04			
AN/UXC-7A Tactical Facsimile	0621.01.14	*0621.02.19		
AN/VRC-83	*0621.01.13	*0621.02.23		
AN/VRC-88A Radio Set (SINCGARS)	0621.01.01	0621.02.09		
AN/VRC-89A Radio Set (SINCGARS)	0621.01.01	0621.02.09		

Appendix B to
ENCLOSURE (5)

MATERIEL	TASK NUMBERS				
AN/VRC-90A Radio Set (SINCGARS)	0621.01.01				
AN/VRC-92A Radio Set (SINCGARS)	0621.01.01	0621.02.09			
AN/VSQ-2C (V)	*0621.01.02	*0621.02.05			
AS-2259	0621.01.05				
AS-3036	*0627.01.06				
AS-3964	*0622.02.02				
ASAPS-4 Power Supply	0600.02.01	0600.02.02			
Av-1011 Antenna System	0626.01.01				
Batteries, as applicable	0600.04.08	0612.01.10	0612.03.05	0612.03.11	0612.04.02
	0612.04.03	0621.01.02	0621.01.03	0621.01.04	0621.01.06
	0621.01.08	*0621.01.09	0621.01.11	0621.01.12	*0621.01.15
	0621.01.16	*0621.02.16	0621.02.17		
C-11561 SINCGARS Remote Control Unit	0621.01.06				
C-6709G Radio Set Control	0612.04.07				
CX-4566 Series Cable Assemblies	0612.03.01				
CX-4566A/G Telephone Cable Assembly (25 Ft)	*0612.01.04	*0612.01.06			
CX-4566A/G Telephone Cable Assembly (500Ft)	*0612.01.04	*0612.01.06			
CX-4760A/U Telephone Cable Assembly	*0612.01.04				
CYZ-10	0600.03.03				
Cable Guide	0613.02.05				
Cable Reels	0613.01.08	0613.02.03	0613.02.09	0651.02.04	
Cable Support	0613.02.05				
Cables	0613.01.03				
Call Service Unit	0614.01.04				
Camouflage Equipment	*0600.02.05				

Appendix B to
ENCLOSURE (5)

5-B-3

MATERIEL	TASK NUMBERS			
Carbon Paper	0621.01.14			
Chainsaw	0613.02.08			
Chalk	0613.02.07			
Cleaning Materials, as applicable	0600.04.01	0600.04.05	0612.03.10	*0614.03.04
	*0624.02.02			
	0627.02.05			
Communications Equipment, as applicable	0600.04.01	0600.06.01		
Compass	0621.01.16			
Computer Suite	0651.01.03	0651.01.07	0651.02.01	0651.02.02
	0651.02.03			
	0651.02.04	0651.02.05	0651.02.06	0651.02.07
	0651.02.08			
	0651.03.01	0651.03.02	0651.03.03	0651.03.04
	0659.02.01			
	0659.02.02	0659.02.03	0659.03.01	0659.03.02
	0659.03.03			
	0659.03.04	0659.03.05	0659.03.06	0661.02.01
	0661.02.03			
	0661.02.04	0661.03.02	0661.03.03	*0661.03.04
	0661.04.01			
	0661.04.02	0669.01.01	0669.04.01	0669.04.02
	*0671.01.01			
	*0671.01.02	*0671.01.03	*0671.01.04	*0671.01.05
	*0671.01.06			
	*0671.01.07	*0671.01.08	*0671.01.09	*0671.01.10
	*0671.01.11			
	*0671.01.12	*0671.02.01	*0671.02.02	*0671.02.03
	*0671.03.01			
	*0671.03.02	*0671.03.03	*0671.03.04	*0671.03.05
	*0671.03.06			
	*0671.04.01	*0671.04.02	*0671.05.01	*0672.01.03
	*0672.01.04			
	*0672.01.05	*0672.01.06	*0672.01.07	*0672.02.01
	*0672.02.02			
	*0672.02.03	*0672.02.04	*0672.02.05	*0672.03.01
	*0672.04.01			
	*0672.04.02	*0672.05.01	*0672.06.01	*0672.06.02
	*0672.06.03			
	*0679.01.01	*0679.01.02	*0679.01.03	*0679.01.04
	*0679.01.05			
	*0679.01.06	*0679.01.07	*0679.01.08	*0679.01.09
	*0679.01.10			
	*0681.03.04	*0691.01.08	*0699.02.03	
Cutting Blades	0613.02.07			
Data Cables	0626.01.01			
Data Transfer Device (DTD)	*0681.03.01			
Descant	0600.04.07			
Digital Transmission Path	*0614.03.01			
Duct Tape	0600.04.07			
Dulseal	0600.04.07			
Electronic Key Management Suite (EKMS)	*0681.02.02			
Embarkation Equipment	0600.06.01			
Environmental Control Units	0626.01.01			

MATERIEL	TASK NUMBERS			
Fiber Optic Cable	*0612.01.02			
Field Cable	0612.01.01	*0612.01.05	0612.03.01	0613.01.01
0613.01.08				
	0613.01.09	0613.02.08	0614.02.01	0622.02.01
0622.02.02				
Field Wire	0612.01.01	0612.01.07	0612.01.08	0612.01.10
0612.02.01				
	0612.03.02	0612.03.11	0612.04.01	0612.04.02
0612.04.03				
	0612.04.04	*0614.03.01	0621.01.06	0621.01.08
Four Wire Terminal Equipment	*0614.03.01			
Global Mobile Force Tactical	*0627.02.05			
Satellite Antenna				
Ground Stakes	0600.02.01	0600.02.02	*0612.01.03	0612.03.04
0623.02.02				
	0624.01.01	0626.01.01		
HP-274B Power Supply	0600.02.02			
HP-291A Power Supply	0600.02.02			
HYP-71 Auxiliary Power	0612.04.06			
INMARSAT Terminal	0621.02.21			
J-1077A Distribution Box	0612.01.01			
J-2317	*0612.01.01			
K-37 Trailer	0613.02.03	0613.02.04	0613.02.09	
KG-194A	*0627.01.03			
KG-84	0651.01.05			
KIV-19	0600.03.04	0612.02.02	0621.02.11	
KIV-7	0600.03.04	0612.02.02	0621.02.11	
KY-57 Vinson/VHF/FM/UHF	0600.03.03	0651.01.05		
KY-57/TSEC	*0627.01.04			
KY-68	0600.03.04	0612.02.02	0612.03.04	0612.04.06
0621.02.11				
	0651.01.01	0651.01.05	0661.02.02	
KY-99	0600.03.04	0612.02.02	0621.02.11	
KYV-2	0621.02.17			
LC-10	0612.01.09	0613.01.02		
LC-23 Cable Lashing Machine	0612.01.09	0613.01.02		

MATERIEL	TASK NUMBERS			
LC-231/FT Cable Lashing Machine	0613.02.05			
LC-240 Climber Set	*0612.01.09	0613.01.02		
Local Management Device/ Key Processor	*0681.03.02			
M Series Vehicle	0621.04.01	*0621.04.02	*0621.04.03	*0621.04.04
*0621.04.05				
	*0621.04.06	*0622.04.01	*0622.04.02	*0622.04.03
*0622.04.04				
	*0622.04.05	*0622.04.06	*0623.04.01	*0623.04.02
*0623.04.03				
	*0623.04.04	*0623.04.05	*0623.04.06	*0624.03.01
*0624.03.02				
	*0624.03.03	*0624.03.04	*0624.03.05	*0624.03.06
M-876 Telephone Maintenance	0613.01.01	0613.01.09	0613.02.04	0613.02.06
0613.02.08				
Truck	0613.02.12			
MK 1823	*0612.03.02			
MMT-1500	*0612.02.03			
Messenger	0613.02.05			
Motor Vehicle, as applicable	0600.04.05			
Network Server	*0659.03.01	*0659.03.02	*0659.03.03	*0661.02.01
*0661.02.03				
	*0661.03.02	*0661.03.03	*0661.03.04	*0661.04.01
*0669.01.01				
	*0669.04.01	*0669.04.02		
Night Service Lights	*0622.04.04	*0624.03.04		
OE-254	*0621.01.07			
OE-361	*0627.01.05			
OE-468	*0623.02.02			
PP-2953/U Power Supply	0600.02.02			
PP-6836/U Power Supply	0600.02.02			
PP-7332	0600.02.02			
PP-7333/GRC Power Supply	0600.02.02			
PP-8035 AC Power Converter	0600.02.02			
PP-8436/P Power Supply	0600.02.02			
Packaging Materials	0600.06.01			
Patch Cords	*0612.01.03			

Appendix B to
ENCLOSURE (5)

MATERIEL	TASK NUMBERS				
Pionjar	0613.02.07				
Plastic Bags	0600.04.07				
Poles	0613.02.06	0613.02.09			
Power Cables	0626.01.01				
Power Converter Line Cord	*0612.02.03				
Power Source, as applicable	*0612.03.02	0612.03.03	0612.04.07	0621.01.02	*0621.01.13
	0621.01.14	0621.02.21	0622.02.01	0623.02.01	0626.01.01
	0627.01.04	0627.01.07	0651.01.02	0651.01.03	
RL-159 Hand Reel	0612.01.02	*0612.01.05			
Radio Equipment, as applicable	0612.04.07	0621.01.08	0621.03.01	0699.03.03	
Rl-31-E Hand Reel	0612.01.04	0612.01.06			
SB-22/PT Manual Telephone Switchboard	0612.03.11	0612.03.12	0612.04.04	0612.04.05	
SB-3614/TT Telephone Switch	*0612.03.02	0612.03.03	0612.04.04		
SB-3659/U,A/U Communication Patching Panel	0612.03.01				
SB-3865 (P)/TTC Telephone Switchboard	0612.03.04	0612.03.05	0612.03.06	0612.03.07	0612.03.08
	0612.03.09	0612.03.10			
SB-4097/U Communication Patching Panel	*0612.01.03				
STE	0612.02.03	0651.01.01	0661.02.02	0681.04.01	
STU-III	0612.02.03	0651.01.01	0661.02.02	0681.04.01	
Servers	0651.01.03	0651.02.02	0651.02.03	0651.02.04	0651.02.05
	0651.02.06	0651.02.07	0651.03.01	0659.02.01	0659.02.02
	0659.02.03	*0659.03.01	*0659.03.02	*0659.03.03	*0659.03.05
	*0659.03.06	*0661.02.01	*0661.02.03	*0661.03.02	*0661.03.03
	*0661.04.01	*0661.04.02	*0669.01.01		
Software	0651.01.02	0651.01.03	0651.01.04	0651.01.05	0651.01.07
	0651.01.08	0651.02.01	0651.02.02	0651.02.03	0651.02.04
	0651.02.05	0651.02.06	0651.02.07	0651.02.08	0651.03.01
	0651.03.02	0651.03.03	0651.03.04	0659.02.01	0659.02.02
	0659.02.03	*0659.03.01	*0659.03.02	*0659.03.03	0659.03.04
	*0659.03.05	*0659.03.06	*0661.02.01	*0661.02.03	*0661.02.04
	*0661.03.02	*0661.03.03	*0661.03.04	*0661.04.01	*0661.04.02
	*0669.01.01	*0669.04.01	*0669.04.02	*0671.01.01	*0671.01.02
	*0671.01.03	*0671.01.04	*0671.01.05	*0671.01.06	*0671.01.07

Appendix B to
ENCLOSURE (5)

MATERIEL	TASK NUMBERS				
	*0671.01.08	*0671.01.09	*0671.01.10	*0671.01.11	*0671.01.12
	*0671.02.01	*0671.02.02	*0671.02.03	*0671.03.01	*0671.03.02
	*0671.03.03	*0671.03.04	*0671.03.05	*0671.03.06	*0671.04.01
	*0671.04.02	*0671.05.01	*0672.01.03	*0672.01.04	*0672.01.05
	*0672.01.06	*0672.01.07	*0672.02.01	*0672.02.02	*0672.02.03
	*0672.02.04	*0672.02.05	*0672.03.01	*0672.04.01	*0672.04.02
	*0672.05.01	*0672.06.01	*0672.06.02	*0672.06.03	*0679.01.01
	*0679.01.02	*0679.01.03	*0679.01.04	*0679.01.05	*0679.01.06
	*0679.01.07	*0679.01.08	*0679.01.09	*0679.01.10	*0681.03.04
	*0691.01.08	*0699.02.03			
Switchboard, as applicable	0612.04.07				
TA-1042 A/U	0612.04.01				
TA-125	*0612.01.01				
TA-312/PT Telephone Set	0612.03.02	0612.03.12	0612.04.02		
TA-838/TT Telephone Set	0612.03.02	0612.04.03			
TA-938/G Telephone Set	0612.04.04				
TA-977/PT Tone Signaling Adapter	0612.04.05				
TD-1234 Multiplexer Combiner	0614.03.01				
TE-114 Tool Equipment	*0612.01.09				
TE-27 Lineman Tool Kit	0612.01.09				
TL-144 Lineman's Belt	0612.01.09				
TSEC/HYK-57	0612.01.10				
TSEC/KG-84A General Purpose Encryption Equipment	0600.03.04	0612.02.02	0621.02.11		
TSEC/KG-94/94A/194/194A Trunk Encyption Device	0600.03.04	0612.02.02	0621.02.11		
TSEC/KY-57 Speech Security Equipment (VINSON)	0600.03.04	0612.02.02	*0621.01.04	0621.02.11	
TSEC/KY-68 Digital Subscriber Voice Terminal (DSVT)	0612.02.01				
TSEC/KY-90 Secure Digital Net Radio Interface Unit (SDNRIU)	0614.02.01				
TSEC/KY-99 Advanced	0621.01.12				

Appendix B to
ENCLOSURE (5)

MATERIEL	TASK NUMBERS				
Narrowband Digitala Voice Terminal (ANDVT/MINTERM)					
TSEC/KYX-15A	0621.02.18				
Tools, as applicable	0600.04.07	0600.06.01	0612.01.02	0612.01.03	0612.01.04
	0612.01.05	0612.01.07	0612.02.01	0612.03.03	0612.03.10
	0612.03.11	0612.03.12	0612.04.01	0612.04.02	0612.04.03
	0612.04.04	0612.04.05	0613.01.08	0613.02.03	0613.02.05
	0613.02.09	0613.02.12	0614.03.04	*0621.04.05	*0622.04.05
	0623.02.02	0623.04.05	0624.02.03	*0624.03.05	
Topographic Map	0623.01.02	0629.01.09			
UHF Manpack Tactical Satellite Terminal	0621.01.16	*0621.02.12			
Vehicle	0613.01.08	*0621.01.01	*0621.01.17		
WP-1/TT	0612.03.02				
Winch Equipment	0613.02.08				
Wire Tags	*0612.01.01	0612.01.02	0612.01.04	*0612.01.05	*0612.01.06
	0612.03.01				

AMMUNITION, EXPLOSIVES, AND PYROTECHNICS

DOES NOT APPLY TO THIS ORDER.

Appendix C to
ENCLOSURE (5)

<u>DISTANCE LEARNING PRODUCTS</u>

1. <u>General</u>. This appendix includes a list of all currently available or planned distance learning (DL) products, including Marine Corps Institute (MCI) publications, designed to provide training related to any task in this OccFld.

2. <u>Format</u>. The columns are as follows:

    a. <u>DISTANCE LEARNING PRODUCTS.</u> This column summarizes all DL products assigned to at least one ITS task in this OccFld.

    b. <u>TASK NUMBERS.</u> A listing of all ITS tasks associated with the corresponding DL product.

<u>DISTANCE LEARNING PRODUCTS</u>	<u>TASK NUMBERS</u>
MCI 2525, Communications Security	0600.03.02
MCI 2540, Communications Plans and Orders	0612.03.01

PERFORMANCE SUPPORT TOOLS

DOES NOT APPLY TO THIS ORDER.

INDIVIDUAL TRAINING STANDARDS

1. <u>General</u>. This enclosure contains all of the ITSs for this OccFld, grouped by MOS.
Each MOS is contained in a separate Appendix to Enclosure (6).

2. <u>Format</u>. For each ITS, the following elements of information are provided:

    a. <u>TASK</u>. The task describes a specific and necessary behavior expected of a Marine
in a particular MOS or billet. It is a clearly stated, performance-oriented action
requiring a learned skill. Skills that "make" a Marine or qualify that Marine for the
appropriate MOS are designated as "CORE." Those advanced skills that are mission,
grade, or billet specific are designated as "CORE PLUS."

    b. <u>CONDITION(S)</u>. This portion of the ITS describes the equipment, manuals,
assistance/supervision, special physical demands, environmental conditions, and location
affecting a Marine's performance of the task under real-world circumstances.

    c. <u>STANDARD(S).</u> This portion of the ITS describes the level of proficiency to
which the individual must perform the task.

    d. <u>PERFORMANCE STEPS.</u> Collectively, the performance steps represent the logical
sequence of actions required of the Marine to perform the task to standard. These
actions are typically detailed in the references.

    e. <u>INITIAL TRAINING SETTING.</u> All ITSs are assigned an initial training setting
that includes a specific location for initial instruction [Functional Learning Center
(FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months
between evaluation or retraining to maintain the proficiency required by the standard),
and a "Required By" grade (the lowest grade at which task proficiency is required).

    f. <u>REFERENCE(S).</u> References are doctrinal publications, technical manuals, and
other publications upon which the ITS and its performance steps are based. They should
be readily available and provide detail to the procedures that are only summarized in
the performance steps.

    g. <u>TRAINING MATERIEL (Optional)</u>. Training materiel includes all training devices,
simulators, aids, equipment, and materials [except ammunition, distance learning (DL)
products, and performance support tools (PST)] required or recommended to properly
train the task under the specified conditions and to the specified standard. Mandatory
items are preceded by an asterisk(*).

    h. <u>AMMUNITION (Optional)</u>. This table, if present, depicts the ammunition,
explosives, and/or pyrotechnics required for proper training of the ITS.

    i. <u>DISTANCE LEARNING PRODUCT(S) (Optional)</u>. This section includes a list of any
currently available or planned DL products designed to provide training related to this
task.

    j. <u>PERFORMANCE SUPPORT TOOL(S) (Optional)</u>. This section includes a list of any
currently available or planned PSTs designed to provide training related to this task.

    k. <u>ADMINISTRATIVE INSTRUCTIONS (Optional).</u> Administrative instructions provide the

ENCLOSURE (6)

trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

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2

MOS 0600, BASIC COMMUNICATIONS INFORMATION SYSTEMS MARINE

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

TASK: 0600.01.01 (CORE) DETERMINE MOBILE ELECTRIC POWER GENERATOR (MEPG) SUPPORT REQUIREMENTS FOR COMMUNICATIONS OPERATIONS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure designated equipment power requirements are met, per the references.

PERFORMANCE STEPS:

   1.   Determine total power for the site(s).

   2.   Determine circuit priorities and plan power distribution.

   3.   Draft a plan for MEPG support.

   4.   Submit draft for review.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: SSgt

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

   2.   FM 20-31, Electric Power Generation in the Field

   3.   MCWP 6-22, Communication and Information Systems

   4.   TM 2000-15/2, Principle Techncial Characteristics of U.S. Marine Corps Communications Electronic Equipment

   5.   TM 5-765, Electric Power Transmission and Distribution

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TASK: 0600.01.02 (CORE) APPLY BASIC PRINCIPLES OF TELECOMMUNICATIONS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To demonstrate an understanding of the principles of telecommunitcations, per the references.

PERFORMANCE STEPS:

   1.   Describe the principles of the analog signal.

   2.   Describe the principles of a digital signal.

   3.   Describe the principles of synchronous communications.

4. Describe the principles of asynchronous communications.

5. Describe the process of modulation.

6. Describe the process of demodulation.

7. Describe the principles of broadband transmissions.

8. Describe the principles of baseband transmissions.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

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TASK: 0600.01.03 (CORE PLUS) CREATE A COMMUNICATION PLAN USING THE TACTICAL NETWORK AND PLANNING SYSTEM (TNAPS)

CONDITION(S): Provided planning documents, equipment, and references.

STANDARD(S): To ensure correct implementation of TNAPS, per the references.

PERFORMANCE STEPS:

1. Input planning data.

2. Review input data.

3. Make appropriate changes, as required.

4. Validate TNAPS data.

5. Maintain necessary logs.

6. Print reports.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

ADMINISTRATIVE INSTRUCTIONS: Does not apply to programmer and information security MOS's.

DUTY AREA 02 – COMMUNICATION INFORMATION SYSTEMS INSTALLATION

TASK: 0600.02.01 (CORE) GROUND EQUIPMENT

CONDITION(S): Provided planning documents, equipment, and references.

STANDARD(S): To ensure the safe and effective operation of equipment, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Install grounding rods/system.

    3. Ensure electrical connections.

    4. Improve electrical grounds with rock salt or appropriate chemicals, as applicable.

    5. Apply power after ground is tested.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. FM 11-490-6, Long Haul Telecommunications Services

    3. MIL-HDBK 419_, Grounding Techniques

TRAINING MATERIEL:

    1. AN/GSQ-261 Tactical Remote Sensor System (TRSS)

    2. AN/MRC-110A Radio Terminal Set

    3. AN/MRC-138B Radio Set

    4. AN/MRC-142 Radio Set

    5. AN/MRC-145 Radio Set

    6. AN/PRC-104 Radio Set

    7. AN/PRC-113 (V) 3 Radio Set

    8. AN/PRC-119 Radio Set

    9. AN/TRC-170 Radio Terminal Set

    10. AN/TSC-120 Communications Central

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11. AN/TSC-85B Ground Mobile Forces Satellite Communications Terminal

12. AN/TSC-93B Ground Mobile Forces Satellite Communications Terminal

13. AN/TSC-96A Satellite Communications Central

14. ASAPS-4 Power Supply

15. Ground Stakes

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TASK: 0600.02.02 (CORE) INSTALL POWER SUPPLY

CONDITION(S): Provided power supply, equipment, and references.

STANDARD(S): To enable power to be available for equipment, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Ground power supply.

3. Ensure power supply is in off-position.

4. Ensure correct cables are installed.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 08077A-14, Power Supply PP-7733/GRC

3. TM 9406-15, Grounding Procedures

TRAINING MATERIEL:

1. ASAPS-4 Power Supply

2. Ground Stakes

3. HP-274B Power Supply

4. HP-291A Power Supply

5. PP-2953/U Power Supply

6. PP-6836/U Power Supply

7. PP-7332

8. PP-7333/GRC Power Supply

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ENCLOSURE (6)

9. PP-8035 AC Power Converter

10. PP-8436/P Power Supply

ADMINISTRATIVE INSTRUCTIONS: PP-7333, PP-7332, and PP-8435.

TASK: 0600.02.03 (CORE) IMPLEMENT EMERGENCY ACTION PLAN (EAP)

CONDITION(S): Provided an emergency action plan, command authority to execute the plan, designated equipment, personnel, tools, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Receive the instructions.

2. Review the plan.

3. Execute the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. CMS-1_, COMSEC Material System Policy & Procedures Manual

TASK: 0600.02.04 (CORE) IMPLEMENT COMMUNICATION INFORMATION SYSTEMS (CIS) PLANS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure the correct interpretation of the CIS plan, per the references.

PERFORMANCE STEPS:

1. Review planning documents.

2. Execute a single channel radio plan.

3. Execute a switching system plan.

4. Execute a terrestrial system plan.

5. Execute a data network plan.

6. Execute a Information Systems plan.

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    7. Execute a GMF/TACSAT plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. MCWP 6-22, Communication and Information Systems

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TASK: 0600.02.05 (CORE PLUS) CAMOUFLAGE COMMUNICATIONS EQUIPMENT

CONDITION(S): Provided equipment, camouflage material, and references.

STANDARD(S): To ensure equipment is undetected by enemy, per the references.

PERFORMANCE STEPS:

    1. Plan camouflage to blend with the natural terrain.

    2. Choose type of material to be used.

    3. Erect the camouflage.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 5-1080-200-13&P, Operators, Organizational and Direct Support Manual for Lightweight Camouflage Screen Systems

TRAINING MATERIEL:

    1. * Camouflage Equipment

Appendix A to
ENCLOSURE (6)

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATIONS

TASK: 0600.03.01 (CORE) EMPLOY ELECTROMAGNETIC INTERFERENCE (EMI) MEASURES

CONDITION(S): Provided planning documents, equipment, references, and a requirement to install tactical communications equipment.

STANDARD(S): To ensure uninterrupted and reliable communication, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Employ grounding procedures.

    3. Install communications equipment.

    4. Provide adequate separation between possible EMI emitters.

    5. Mark radiation hazards to personnel/fuels/explosives around/near EMI emitters.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TRADOC Pamphlet 525-23

    3. FMFRP 4-14, Field Grounding Procedures for Computers and Generators

    4. TC 11-6, Grounding Techniques

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TASK: 0600.03.02 (CORE) PERFORM COMMUNICATIONS SECURITY (COMSEC) PROCEDURES

CONDITION(S): Provided planning documents, references, and COMSEC material.

STANDARD(S): To prevent information compromise and/or service disruption, per the references.

PERFORMANCE STEPS:

    1. Maintain physical, cryptographic, transmission, and mission security.

    2. Report security risks.

    3. Report COMSEC violations.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. MCWP 6-22, Communication and Information Systems

4. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

DISTANCE LEARNING PRODUCT(S):

1. MCI 2525, Communications Security

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TASK: 0600.03.03 (CORE PLUS) PERFORM OVER-THE-AIR REKEY/OVER-THE-AIR TRANSMISSION (OTAR/OTAT)

CONDITION(S): Provided planning documents, equipment, and references.

STANDARD(S): To ensure successful transmission, per the references.

PERFORMANCE STEPS:

1. Prepare receiving station for OTAR/OTAT operations.

2. Prepare sending station for OTAR/OTAT operations.

3. Conduct OTAR/OTAT operations.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

TRAINING MATERIEL:

1. AN/CYZ-10 Digital Transfer Device

2. CYZ-10

3. KY-57 Vinson/VHF/FM/UHF

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TASK: 0600.03.04 (CORE PLUS) OPERATE AN/CYZ-10

CONDITION(S): Provided planning documents, equipment, and references.

STANDARD(S): To enable secure communication, per the references.

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PERFORMANCE STEPS:

    1.   Program the Crypto Ignition Key (CIK) (user/supervisor).

    2.   Load E-sets.

    3.   Load a Load set.

    4.   Transfer data.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   CMS-1_, COMSEC Material System Policy & Procedures Manual

    3.   NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

TRAINING MATERIEL:

    1.   AN/CYZ-10 Digital Transfer Device

    2.   KIV-19

    3.   KIV-7

    4.   KY-68

    5.   KY-99

    6.   TSEC/KG-84A General Purpose Encryption Equipment

    7.   TSEC/KG-94/94A/194/194A Trunk Encyption Device

    8.   TSEC/KY-57 Speech Security Equipment (VINSON)

ADMINISTRATIVE INSTRUCTIONS: Operate CYZ-10 with the following equipment:

a.   TSEC/KG-84.

b.   TSEC/KG-194.

c.   TSEC/KY-57.

d.   KIV-7.

e.   KIV-19.

f.   KY-99.

g.   KY-68.

Appendix A to
ENCLOSURE (6)

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0600.04.01 (CORE) PERFORM PREVENTIVE MAINTENANCE (PM) ON COMMUNICATIONS EQUIPMENT

CONDITION(S): Provided designated equipment, PM materials, safety equipment, record jackets, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Conduct Stock List-3 (SL-3) inventory.

    3. Inspect equipment.

    4. Conduct PM procedures per the schedule.

    5. Complete equipment records.

    6. Report discrepancies.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 4700-15/1, Equipment Record Procedures

TRAINING MATERIEL:

    1. Cleaning Materials, as applicable

    2. Communications Equipment, as applicable

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TASK: 0600.04.02 (CORE) TROUBLESHOOT COMMUNICATIONS EQUIPMENT

CONDITION(S): Provided faulty equipment and references.

STANDARD(S): To determine cause of equipment failure and return it to a fully operational status, per the references.

PERFORMANCE STEPS:

    1. Troubleshoot problems.

    2. Identify solutions.

    3. Correct problems.

4. Report to higher echelon, as required.

5. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

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TASK: 0600.04.03 (CORE) PROTECT ELECTROSTATIC DISCHARGE (ESD) SENSITIVE DEVICES DURING HANDLING, STORAGE, AND TRANSPORTATION

CONDITION(S): Provided ESD sensitive devices, ESD protection materials, ESD labels, and references.

STANDARD(S): To enable continued use of equipment, per the references.

PERFORMANCE STEPS:

1. Review references.

2. Identify materials requiring ESD protection.

3. Handle equipment per the references.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO 2410.2_, Electromagnetic Environmental Effects (E3) Control Program

2. TI 4400-15/1, Packaging, Handling, Storage and Transportation of Electrostatic Discharge Sensitive Items

3. TM 9406-15, Grounding Procedures

4. TM 9999-15/1, ESD Awareness Electro-Static Discharge

5. TM 9999-15/2, Electro-Static Discharge (ESD) Management

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TASK: 0600.04.04 (CORE PLUS) PREPARE AN EQUIPMENT REPAIR ORDER (ERO)

CONDITION(S): Provided TM-4700, an ERO, and references.

STANDARD(S): To complete equipment repair, per the references.

PERFORMANCE STEPS:

1. Accurately enter required information onto a blank ERO form.

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ENCLOSURE (6)

2. Enter required information on the equipment record log.

3. Induct the equipment into the maintenance cycle.

4. After maintenance is complete, close the ERO.

5. File the ERO in equipment record jacket.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: LCpl

REFERENCE(S):

1. TM 4700-15/1, Equipment Record Procedures

2. UM 4790-5, MIMMS (AIS) FMSS

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TASK: 0600.04.05 (CORE PLUS) PERFORM OPERATOR LEVEL PREVENTIVE MAINTENANCE (PM) ON COMMUNICATION MOTOR TRANSPORT ASSETS

CONDITION(S): Provided equipment, tools, safety equipment, PM materials, record jackets, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Conduct Stock List-3 (SL-3) inventory.

3. Inspect equipment.

4. Conduct PM procedures.

5. Complete equipment records.

6. Report discrepancies.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 4700-15/1, Equipment Record Procedures

TRAINING MATERIEL:

1. Cleaning Materials, as applicable

2. Motor Vehicle, as applicable

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TASK: 0600.04.06 (CORE PLUS) PROCESS TROUBLE CALL

CONDITION(S): Provided a trouble call, faulty equipment, and references.

STANDARD(S): To determine cause of equipment failure and return it to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Respond to trouble call.

2. Maintain trouble call log.

3. Evaluate trouble call.

4. Research solutions to problem.

5. Resolve problem.

6. Forward to appropriate maintenance echelon, if required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCO P4790.2, MIMMS Field Procedures Manual

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TASK: 0600.04.07 (CORE PLUS) WEATHERPROOF COMMUNICATIONS EQUIPMENT

CONDITION(S): Provided equipment, weatherproofing materials, and references.

STANDARD(S): To protect equipment from the elements, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Gather materials.

3. Clean thoroughly all jacks, plugs, cases, dials, and knobs.

4. Cover all sharp edges, clamps, screw heads, and other projections.

5. Seal equipment with weatherproofing material.

6. Conduct operational check.

INITIAL TRAINING SETTING: MOJT Sustainment: 3 Req By: PFC

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REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FMFM 4, Combat Service Support

3. MCO P4600.7_, USMC Transportation Manual

4. MCWP 4-26, Supply Operations

TRAINING MATERIEL:

1. Descant

2. Duct Tape

3. Dulseal

4. Plastic Bags

5. Tools, as applicable

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TASK: 0600.04.08 (CORE PLUS) PROPERLY HANDLE AND STORE BATTERIES

CONDITION(S): Provided designated batteries, personnel, unit Standing Operating Procedure (SOP), and references.

STANDARD(S): To safely maintain the battery supply, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Identify the type of battery (ie: disposable or rechargeable).

3. Assess storage and disposable requirements.

4. Calculate battery requirements by equipment type.

5. Recharge batteries, as required.

6. Monitor/Inspect storage and disposal of batteries.

7. Certify compliance.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Cpl

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCO P4400.150, Consumer Level Supply Policy Manual

Appendix A to
ENCLOSURE (6)

3. SB, Battery Procedures

TRAINING MATERIEL:

1. Batteries, as applicable

DUTY AREA 05 - COMMUNICATION INFORMATION SYSTEMS SUPERVISION

TASK: 0600.05.01 (CORE) SUPERVISE MAINTENANCE MANAGEMENT FOR A COMMUNICATION SECTION

CONDITION(S): Provided a table of equipment (T/E), maintenance records, and references.

STANDARD(S): To ensure combat readiness, per the references.

PERFORMANCE STEPS:

1. Review all orders and directives pertaining to maintenance.

2. Ensure maintenance is performed according to schedule, per echelon level.

3. Ensure maintenance records are maintained and current.

4. Ensure accountability of equipment within maintenance cycle.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCO P4790.2, MIMMS Field Procedures Manual

3. TM 4790.2_, MIMMS Field Procedures Manual

4. UM 4400-124, FMF SASSY Using Unit Procedures

5. UM 4790-5, MIMMS (AIS) FMSS

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TASK: 0600.05.02 (CORE PLUS) SUPERVISE MAINTENANCE OF MOTOR TRANSPORT ASSETS IN A COMMUNICATION SECTION

CONDITION(S): Provide personnel, equipment, and references.

STANDARD(S): To ensure a combat readiness, per the references.

PERFORMANCE STEPS:

1. Identify motor transport assets requiring maintenance action.

2. Assign personnel to perform the task.

3. Inspect the maintenance actions performed.

4. Ensure administrative/Marine Corps Integrated Maintenance Management System (MIMMS) actions are completed.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

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ENCLOSURE (6)

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 4700-15/1, Equipment Record Procedures

3. TM 4790.2_, MIMMS Field Procedures Manual

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DUTY AREA 06 - COMMUNICATION INFORMATION SYSTEMS EMBARKATION AND TRANSPORT

TASK: 0600.06.01 (CORE PLUS) EMBARK COMMUNICATIONS ASSETS

CONDITION(S): Provided equipment, embarkation materials, and references.

STANDARD(S): To ensure all assets are aboard, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety procedures.

    2. Stage equipment to be embarked.

    3. Provide input to embarkation manifest.

    4. Prepare packing lists.

    5. Mark embark boxes/pallets/vehicles.

    6. Waterproof embark boxes/vehicles.

    7. Place packing lists inside appropriate embark boxes.

    8. Secure/Band embark boxes.

    9. Secure equipment loaded into vehicles.

    10. Equip vehicles with fording equipment.

    11. Secure vans with proper tie downs.

    12. Review special COMSEC requirements.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. SOP, UNIT

    3. MCO P4600.7_, USMC Transportation Manual

TRAINING MATERIEL:

    1. Communications Equipment, as applicable

    2. Embarkation Equipment

    3. Packaging Materials

    4. Tools, as applicable

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TASK: 0600.06.02 (CORE PLUS) SUPERVISE EMBARKATION OF COMMUNICATIONS ASSETS

CONDITION(S): Provided equipment, personnel, planning documents, and references.

STANDARD(S): To ensure serviceability and accountability of assets, per safety procedures and the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Review unit Standing Operating Procedure (SOP) embarkation procedures.

3. Coordinate with unit embarkation personnel.

4. Ensure that embarkation boxes, pallets, and vehicles are marked.

5. Ensure that embarkation boxes/containers are waterproofed.

6. Ensure packing lists are prepared, per SOP.

7. Ensure high security items and hazardous materials are packaged.

8. Ensure embarkation manifests and reports are updated and complete.

9. Submit embark data to embark officer for review.

10. Ensure that embarkation boxes are secured and banded.

11. Ensure communications rolling stock is prepared for embarkation.

12. Ensure equipment is securely loaded into vehicles.

13. Conduct safety and load inspection on all vehicles.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. MCO P4600.7_, USMC Transportation Manual

4. MCWP 4-26, Supply Operations

Appendix A to
ENCLOSURE (6)

DUTY AREA 07 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

TASK: 0600.07.01 (CORE PLUS) CONDUCT MANAGED-ON-THE-JOB TRAINING (MOJT)

CONDITION(S): Provided personnel requiring training and references.

STANDARD(S): To ensure adequate training is received by all personnel, per the reference.

PERFORMANCE STEPS:

    1. Identify formal school capabilities.

    2. Identify personnel skills deficiencies.

    3. Aggregate training requirements.

    4. Create training plan.

    5. Develop training method.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1. SOP, UNIT

    2. MCO 4790.1B, MARINE CORPS INTEGRATED MANAGEMENT SYSTEM (MIMMS) INTRODUCTION MANUAL

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TASK: 0600.07.02 (CORE PLUS) CONDUCT MILITARY OCCUPATIONAL SPECIALTY (MOS) SKILL PROGRESSION TRAINING

CONDITION(S): Provided class assignment, personnel to receive training, a training site, and references.

STANDARD(S): To ensure adequate training is received by all personnel, per the references.

PERFORMANCE STEPS:

    1. Gather reference materials.

    2. Develop training outline.

    3. Rehearse presentation.

    4. Prepare training site.

    5. Present class.

    6. Record training completed.

<u>INITIAL TRAINING SETTING:</u> MOJT Sustainment: 12 Req By: Cpl

<u>REFERENCE(S):</u>

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. SOP, UNIT TRAINING

4. Unit Individual Training Records

5. MCO P4790.2, MIMMS Field Procedures Manual

6. MCRP 3-0A, Unit Training Management Guide

7. MCRP 3-0B, How to Conduct Training

Appendix A to
ENCLOSURE (6)

MOS 0612, FIELD WIREMAN

DUTY AREA 01 - OPERATIONAL CABLE/WIRE/FIBER CONNECTIVITY

For a complete MOS 0612 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0612.01.01 (CORE) INSTALL DISTRIBUTION BOXES

CONDITION(S): Provided a J-1077, J-2317, and/or TA 125, tags, planning document, cable, wire, and the equipment's TM and FM 24-20 (Technical Wire and Cable Techniques).

STANDARD(S): To prepare distribution boxes for operation, per the references.

PERFORMANCE STEPS:

1. Identify type of distribution box required for connections.

2. Identify pairs for connection from the wire plan.

3. Connect all wires to appropriate pairs.

4. Tag all pairs connected to the distribution box.

5. Tag all cables/wires connected to box.

6. Ground distribution box.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 11-372-2, Outside Plant Cable Placement

3. FM 24-20, Tactical Wire and Cable Techniques

4. MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

1. Field Cable

2. Field Wire

3. J-1077A Distribution Box

4. * J-2317

5. * TA-125

6. * Wire Tags

Appendix B to
ENCLOSURE (6)

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TASK: 0612.01.02 (CORE) INSTALL AN/GSC-54

CONDITION(S): Provided AN/GSC-54 Fiber Optic Converter, fiber optic cable, an installed and initialized digital switch, planning documents, and references.

STANDARD(S): To prepare AN/GSC-54 for operation, per the references.

PERFORMANCE STEPS:

    1.   Identify the cable assemblies for the AN/GSC-54.

    2.   Perform electrical interface communications.

    3.   Perform optical interface connections.

    4.   Select power requirement and apply power.

    5.   Perform equipment self-test.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   TM 09006A-10/1, Converter Set Fiber Optic AN/GSC-54

TRAINING MATERIEL:

    1.   * AN/GSC-54 Fiber Optic Converter

    2.   AN/TTC-42 Automatic Telephone Central Office

    3.   * Fiber Optic Cable

    4.   RL-159 Hand Reel

    5.   Tools, as applicable

    6.   Wire Tags

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TASK: 0612.01.03 (CORE) INSTALL SB-4097

CONDITION(S): Provided an SB-4097, patch cords, grounding rod, mounting hardware, planning document, and references.

STANDARD(S): To prepare SB-4097 for operation, per the references.

PERFORMANCE STEPS:

    1.   Select flat, stable surface.

Appendix B to
ENCLOSURE (6)

2.   Ground SB-4097/U.

3.   Connect cables to SB-4097/U, per designated cut sheets.

4.   Make appropriate patches.

5.   Perform circuit checks.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

2.   FM 11-372-2, Outside Plant Cable Placement

3.   FM 24-20, Tactical Wire and Cable Techniques

4.   MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

1.   * Ground Stakes

2.   * Patch Cords

3.   * SB-4097/U Communication Patching Panel

4.   Tools, as applicable

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TASK: 0612.01.04 (CORE) PERFORM SUBSURFACE INSTALLATION OF CABLE/WIRE

CONDITION(S): Provided cable, wire reeling machine, appropriate tools, tags, planning documents, and references.

STANDARD(S): To prepare cable/wire for operation.

PERFORMANCE STEPS:

1.   Identify where cable/wire needs to be buried.

2.   Dig trench to 6 to 12 inches deep (up to 36 inches in sandy soil).

3.   Place wire/cable loosely to trench.

4.   Drive wooden stake 1 foot from each end of the trench.

5.   Tie each end to the stake.

6.   Tag each end six inches from tie on outside of stake.

7.   Leave sufficient cable wire for replacement if wireline is damaged (a second

wire may be placed in the trench in case of damage. If so, tie and replace wireline).

8.   Conduct line check when wireline is connected

9.   Backfill trench avoiding stones or sharp objects which may damage cable/wire.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

2.   FM 11-372-2, Outside Plant Cable Placement

3.   FM 24-20, Tactical Wire and Cable Techniques

4.   MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

1.   * CX-4566A/G Telephone Cable Assembly (25 Ft)

2.   * CX-4566A/G Telephone Cable Assembly (500Ft)

3.   * CX-4760A/U Telephone Cable Assembly

4.   Rl-31-E Hand Reel

5.   Tools, as applicable

6.   Wire Tags

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TASK: 0612.01.05 (CORE) PERFORM AERIAL INSTALLATION OF CABLE/WIRE

CONDITION(S): Provided cable, wire reeling machine, tags, planning documents, appropriate tools, lashing material, poles/2x4's/ or trees, and references.

STANDARD(S): To prepare cable/wire for operation, per the references.

PERFORMANCE STEPS:

1.   Determine minimum amount of clearance required.

2.   Tie lines securely at both ends of aerial span.

3.   Provide 6 inches of sway for every 25-feet of span. Ensure that sag is above the minimum set in the standard above.

4.   Lash lance poles together to provide appropriate height of crossing.

5.   Lay the poles parallel to the road or obstacle.

Appendix B to
ENCLOSURE (6)

6. Tie the wireline to the insulator on the pole using a clove hitch.

7. Tie two guy wires to each pole within 6 inches of the top.

8. Raise each pole into position.

9. Tie each guy wire at 45 degree angle away from the road or obstacle.

10. Tie the wireline to a stake at the bottom of the pole.

11. Tag the wireline 6 inches from the bottom of the pole.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 11-372-2, Outside Plant Cable Placement

3. FM 24-20, Tactical Wire and Cable Techniques

4. MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

1. * Field Cable

2. * RL-159 Hand Reel

3. Tools, as applicable

4. * Wire Tags

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TASK: 0612.01.06 (CORE) PERFORM SURFACE INSTALLATION OF CABLE/WIRE

CONDITION(S): Provided cable, wire reeling machine, tags, planning documents, and references.

STANDARD(S): To prepare cable/wire for operation, per the references.

PERFORMANCE STEPS:

1. Identify cable/wire requirements.

2. Mount cable reel on RL-31.

3. Lay out slowly, from topside, one Marine is watching reel, one pulling cable.

4. Lay lines loosely with plenty of slack for maintenance and construction changes.

5. Tie surface lines to trees or posts to prevent passing Marines and vehicles from pulling cable/wire.

    6. Keep surface lines well off roads and shoulders.

    7. Tie cable/wire to a fixed object at beginning and terminating points and leave sufficient slack to link to terminal equipment.

    8. Connect to necessary distribution box/patch panel or terminal equipment, per the appropriate wire support equipment.

    9. Conduct line checks.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. FM 11-372-2, Outside Plant Cable Placement

    3. FM 24-20, Tactical Wire and Cable Techniques

    4. MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

    1. * CX-4566A/G Telephone Cable Assembly (25 Ft)

    2. * CX-4566A/G Telephone Cable Assembly (500Ft)

    3. Rl-31-E Hand Reel

    4. * Wire Tags

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TASK: 0612.01.07 (CORE) PERFORM FIELD WIRE TIES

CONDITION(S): Provided field wire, supports, tools, and references.

STANDARD(S): To ensure successful connection, per the reference.

PERFORMANCE STEPS:

    1. Hold wire in place.

    2. Relieve strain on line at terminating points.

    3. Perform the following ties: clove hitch, loop knot tie, square knot and loop knot, knot tie, and variation basket hitch.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. FM 24-20, Tactical Wire and Cable Techniques

TRAINING MATERIEL:

    1. Field Wire

    2. Tools, as applicable

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TASK: 0612.01.08 (CORE) SPLICE FIELD WIRE

CONDITION(S): Provided a cut in the field wire, tools, electrical tape, and reference.

STANDARD(S): To ensure successful connection, per the reference.

PERFORMANCE STEPS:

    1. Locate the fault.

    2. Cut the wires to different lengths to stagger the ends.

    3. Remove insulation from each wire.

    4. Tie wires in a square knot to retain the tensile strength of the connectors.

    5. Tape the splice to insulate and protect it.

    6. Conduct line check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. FM 24-20, Tactical Wire and Cable Techniques

TRAINING MATERIEL:

    1. Field Wire

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TASK: 0612.01.09 (CORE PLUS) CLIMB/DESCEND POLE/TREE UTILIZING LC-240 CLIMBING EQUIPMENT

CONDITION(S): Provided LC-240, Gaff Gouge TL-144, LC-23,LC-10, Linemans belt, helmet, gloves, ground safety observer, pole/tree, and references.

STANDARD(S): To safely complete construction of overhead cable, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety procedures.

    2. Ensure equipment is SL-3 complete.

Appendix B to
ENCLOSURE (6)

3. Select correct gaffs for pole/tree.

4. Check gaffs for thickness, width, and length with the Buckingham kit gaff gauge.

5. Adjust LC-240.

6. Inspect pole for soundness; inspect tree for firmness and thickness of bark.

7. Climb pole/tree, carefully setting each gaff before disengaging the other one, locking the stationary leg.

8. Look up to avoid obstructions when climbing.

9. Fasten safety strap at top of climb at least 12 inches down from top of pole/tree.

10. Unfasten safety strap.

11. Descend pole carefully setting each gaff before engaging the other one.

12. Look down to avoid obstructions/objects while descending.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 24-20, Tactical Wire and Cable Techniques

TRAINING MATERIEL:

1. LC-10

2. LC-23 Cable Lashing Machine

3. * LC-240 Climber Set

4. * TE-114 Tool Equipment

5. TE-27 Lineman Tool Kit

6. TL-144 Lineman's Belt

ADMINISTRATIVE INSTRUCTIONS: For safety purposes, the Marine must have LC-10 gloves and LC-23 safety strap.

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TASK: 0612.01.10 (CORE PLUS) INSTALL TSEC/HYX-57 WIRELINE ADAPTOR

CONDITION(S): Provided TSEC/HYX-57 with batteries, cryptographic hardware, and software, wire and reference.

STANDARD(S): To prepare TSEC/HYX-57 wireline adaptor for operation, per the reference.

Appendix B to
ENCLOSURE (6)

PERFORMANCE STEPS:

    1. Install batteries.

    2. Connect cryptographic hardware.

    3. Apply power.

    4. Conduct operational check.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S): (NONE)

TRAINING MATERIEL:

    1. Batteries, as applicable

    2. Field Wire

    3. TSEC/HYK-57

Appendix B to
ENCLOSURE (6)

DUTY AREA 02 - OPERATIONAL SECURE WIRE CONNECTIVITY

TASK: 0612.02.01 (CORE) INSTALL KY-68 DIGITAL SECURE VOICE TERMINAL (DSVT)

CONDITION(S): Provided an initialized digital switch, TSEC/KY-68, field wire, a fill device with appropriate variable, appropriate tools, a planning document, and reference.

STANDARD(S): To prepare KY-68 for operation, per the reference.

PERFORMANCE STEPS:

1. Select the bit rate.

2. Connect wires to DSVT, as appropriate.

3. Install cryptographic battery.

4. Load variable into DSVT.

5. Verify that the RING/BUSY and Nonsecure Warning (NSW) lights are not on.

6. Remove handset from cradle and ensure that the RING/BUSY and NSW lights illuminate.

7. Perform line check and verify that the NSW light is extinguished and the NSW tone is not heard in the earpiece.

8. Tag/Number wire and phone.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 11-5810-329-10, Voice Terminal TSEC/KY-68

TRAINING MATERIEL:

1. AN/CYZ-10 Digital Transfer Device

2. Field Wire

3. TSEC/KY-68 Digital Subscriber Voice Terminal (DSVT)

4. Tools, as applicable

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TASK: 0612.02.02 (CORE) OPERATE AN/CYZ-10

CONDITION(S): Provided planning documents, equipment, and references.

STANDARD(S): To enable secure communication, per the references.

PERFORMANCE STEPS:

Appendix B to
ENCLOSURE (6)

1. Program the Crypto Ignition Key (CIK) (user/supervisor).

2. Load E-sets.

3. Load a Load set.

4. Transfer data.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

TRAINING MATERIEL:

1. AN/CYZ-10 Digital Transfer Device

2. KIV-19

3. KIV-7

4. KY-68

5. KY-99

6. TSEC/KG-84A General Purpose Encryption Equipment

7. TSEC/KG-94/94A/194/194A Trunk Encyption Device

8. TSEC/KY-57 Speech Security Equipment (VINSON)

ADMINISTRATIVE INSTRUCTIONS: Operate CYZ-10 with the following equipment:

a. TSEC/KG-84.

b. TSEC/KG-194.

c. TSEC/KY-57.

d. KIV-7.

e. KIV-19.

f. KY-99.

g. KY-68.

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TASK: 0612.02.03 (CORE PLUS) INSTALL STU-III/STE/MMT-1500

CONDITION(S): Provided a STU-III, STE and/or MMT-1500 telephone line, power converter line cord, planning document, and reference.

STANDARD(S): To prepare STU-III/STE/MMT-1500 for operation, per the reference.

PERFORMANCE STEPS:

1. Connect STU-III, STE, and or MMT-1500, appropriate secure telephone to telephone line.

2. Connect the telephone line on the modular wall jack.

3. Connect to power source.

4. Apply power.

5. Perform line check.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: PFC

REFERENCE(S):

1. STU-III/SECTEL User's Guide

TRAINING MATERIEL:

1. * MMT-1500

2. * Power Converter Line Cord

3. STE

4. STU-III

DUTY AREA 03 - OPERATIONAL SWITCHBOARD

TASK: 0612.03.01 (CORE) INSTALL THE SB-3659

CONDITION(S): Provided an SB-3659/U, CX-4566 telephone cable, planning documents, and references.

STANDARD(S): To prepare SB-3659 for operation, per the references.

PERFORMANCE STEPS:

1. Conduct Stock List-3 (SL-3) inventory.

2. Connect cable hooks to in/out cable.

3. Make necessary patches with patch cord.

4. Ensure cable ends are tagged.

5. Perform line checks.

6. Tie surface lines to trees or posts to prevent passing Marines and vehicles from pulling cable/wire.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 11-372-2, Outside Plant Cable Placement

3. FM 24-20, Tactical Wire and Cable Techniques

4. MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

1. CX-4566 Series Cable Assemblies

2. Field Cable

3. SB-3659/U,A/U Communication Patching Panel

4. Wire Tags

DISTANCE LEARNING PRODUCT(S):

1. MCI 2540, Communications Plans and Orders

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TASK: 0612.03.02 (CORE) INSTALL SB-3614(V)/TT AUTOMATIC SWITCHBOARD

Appendix B to
ENCLOSURE (6)

CONDITION(S): Provided SB-3614(V)/TT, power source, telephone, MK 1823, WD-1/TT, wire, planning documents, and reference.

STANDARD(S): To prepare SB-3614(V)/TT for operation, per the reference.

PERFORMANCE STEPS:

1. Select a flat, stable surface.

2. Ground switchboard from rear of terminal box to installed grounding rod. (If two or more switches are to be interconnected, a ground stake and cable must be installed for each switch.)

3. Make two-wire connections in binding post conectors pairs 1-12.

4. Make four-wire connections binding posts connections 13-30.

5. Connect Headset H-182 to the front panel Headset connector.

6. Connect switchboard to external source of 24v direct current (DC) power.

7. Install type I, II, III, and V terminal cards into appropriate slots.

8. Set the mode and precedence switches on the terminal cards, as required by the wiring plan.

9. Program the memory of the SB-3614.

10. Install cable W3 between switchboards when stacking switches.

11. Perform line checks.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 11-5805-695-12, Operator's and Organizational Maintenance Manual for Switchboard, Telephone, SB-3614(V)/TT

TRAINING MATERIEL:

1. Field Wire

2. * MK 1823

3. * Power Source, as applicable

4. * SB-3614/TT Telephone Switch

5. TA-312/PT Telephone Set

6. TA-838/TT Telephone Set

7. WP-1/TT

TASK: 0612.03.03 (CORE) OPERATE SB-3614(V)/TT AUTOMATIC TELEPHONE SWITCHBOARD

CONDITION(S): Provided an installed SB-3614(V)/TT, power source, designated equipment, tools, planning documents, and reference.

STANDARD(S): To ensure connection for subscribers, per the reference.

PERFORMANCE STEPS:

   1. Verify switch settings on all terminal cards.

   2. Assist subscribers who desire to dial through automatically.

   3. Perform manual operator procedures as requested by subscriber.

   4. Troubleshoot problems.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

   1. TM 11-5805-695-12, Operator's and Organizational Maintenance Manual for Switchboard, Telephone, SB-3614(V)/TT

TRAINING MATERIEL:

   1. Power Source, as applicable

   2. SB-3614/TT Telephone Switch

   3. Tools, as applicable

TASK: 0612.03.04 (CORE) INSTALL SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC

CONDITION(S): Provided a requirement for a SB-3865(P)/TTC, a designated site for the equipment, planning documents, appropriate tools, wire, and reference.

STANDARD(S): To prepare SB-3865(P)/TTC for operation, per the reference.

PERFORMANCE STEPS:

   1. Observe High Voltage safety precautions.

   2. Conduct site preparation.

   3. Position switch module and power supply at the operating site.

   4. Install grounding rod.

   5. Make power connections at the power supply front panel for stacked operation, each power supply must be connected to power.

6. Make inter-unit connections.

7. Arrange modems and line termination Circuit Card Assemblies (CCA) depending on switch configuration.

8. Connect hybrid stack arrangement via a 4-wire trunk group, if required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

TRAINING MATERIEL:

1. Ground Stakes

2. KY-68

3. SB-3865 (P)/TTC Telephone Switchboard

ADMINISTRATIVE INSTRUCTIONS: High voltage is used in the operation of this equipment. DEATH ON CONTACT may result if personnel fail to observe safety precautions. Be careful not to contact high-voltage connections when installing or operating this equipment.

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TASK: 0612.03.05 (CORE) PERFORM POWER-ON PROCEDURES ON SB-3865(P)/TTC

CONDITION(S): Provided SB-3865(P)/TTC, alternating current (AC), direct current (DC) or battery power, and references.

STANDARD(S): To prepare SB-3865(P)/TTC for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Execute AC power-on sequence.

    a. Set the INPUT PWR SELECT switch (S1) to the AC position.

    b. Set the AC PWR circuit breaker (CB1A) to the ON position.

    c. Verify that the fan comes on.

    d. Set the EXT DC/INT BAT circuit breaker (CB1B) to the ON position.

    e. Set the BAT CHARGER circuit breaker (CB3) to the ON position.

    f. Verify that all fault indicators on the power supply, except LOW DC, are off.

3. Execute DC power-on sequence.

    a. Set the INPUT PWR SELECT switch (S1) to the DC position.

    b. Set the AC PWR circuit breaker (CB1A) to the OFF position.

    c. Set the EXT DC/INT BAT circuit breaker (CB1B) to the on position.

    d. Set the BAT CHARGER circuit breaker (CB3) to the OFF position.

    e. Verify that the LOW AC indicator on the power supply lights and all other indicators are off.

4. Execute internal battery power-on sequence.

    a. Set the INPUT PWR MODE SELECT switch (S1) to the AC position.

    b. Set the AC PWR circuit breaker (CB1A) to the OFF position.

    c. Set the EXT DC/INT BAT circuit breaker (CB1B) to the ON position and verify that the power supply fan comes on.

    d. Set the BAT CHARGER circuit breaker (CB3) to the OFF position.

    e. Verify that the MASTER and POWER MODULE ALARM AND STATUS indicators on the switch module lights and alarm sounds.

    f. Press the ALARM ACK button switch on the switch module to silence the alarm.

    g. Verify that the EMERGENCY POWER and LOW AC indicators are on and all other indicators are off on the power supply.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08439A-10/1, Switchboard Telephone Automatic SB-3865(P)/TTC

2. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

3. TM 08439A-35/3, Switchboard SB-3865(P)/TTC

TRAINING MATERIEL:

1. Batteries, as applicable

2. SB-3865 (P)/TTC Telephone Switchboard

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TASK: 0612.03.06 (CORE) INITIALIZE SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC

CONDITION(S): Provided properly powered and installed SB-3865(P)/TTC with current

checks and adjustments, and the reference.

STANDARD(S): To prepare SB-3865(P)/TTC for operation, per the reference.

PERFORMANCE STEPS:

1. Verify that the STOP STATUS indicator is ON for each switch module.

2. Set each switch module MODE switch to the MAINT position.

3. Set the switch module TIMING switch to the MASTER position for single-unit switch operation.

4. Set the TIMING switches to appropriate settings for stacking operations.

5. Press the BOOTSTRAP button switch on each module.

6. Verify that each STOP indicator goes off and the ROM MODE and LOAD indicators light.

7. Verify that the ROM MODE and LODE indicators go off and the MASTER ALARM, SUMMARY ALARM, and STANDBY indicators flash after approximately 20 seconds.

8. Press the ONLINE button on the switch module.

9. Enter the factory password for the Bulk Storage Unit (BSU) memory cartridge using the keypad on the switch module.

10. Press ADV key on the DISPLAY CONTROL keypad.

11. Answer the messages that appear using the keypad on the switch module.

12. Review entries at the IMPLMENT message and press END when completed.

13. Implement data.

14. Utilize Traffic Entry Procedures to enter a new directory set.

15. Enter traffic entry procedures.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

TRAINING MATERIEL:

1. SB-3865 (P)/TTC Telephone Switchboard

ADMINISTRATIVE INSTRUCTIONS: If a failed equipment message appears on the VDU during initialization, troubleshoot and clear fault before proceeding. During initialization only, ignore suspect equipment messages which appear on the VDU.

Appendix B to
ENCLOSURE (6)

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TASK: 0612.03.07 (CORE) PERFORM OPERATING/INDEX PROCEDURES FOR SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC

CONDITION(S): Provided an installed and initialized SB-3865(P)/TTC and reference.

STANDARD(S): To ensure connection for subscribers, per the reference.

PERFORMANCE STEPS:

1. Perform system management procedures.

2. Perform configuration management procedures.

3. Perform terminal assignment procedures.

4. Perform routing assignment procedures.

5. Perform traffic management procedures.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

TRAINING MATERIEL:

1. SB-3865 (P)/TTC Telephone Switchboard

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TASK: 0612.03.08 (CORE) OPERATE SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC UNDER EMERGENCY CONDITIONS

CONDITION(S): Provided an installed and initialized SB-3865(P)/TTC, emergency situation, and references.

STANDARD(S): To ensure connection for subscribers, per the references.

PERFORMANCE STEPS:

1. Change switch to emergency/Electromagnetic Pulse (EMP) emergency mode.

2. Mark failed loops/Multichannel Multiplex (MUX) groups out-of-service.

3. Perform procedures for: switch processor failure, call service position failure, defective Bulk Storage Unit (BSU) tape cartridge, line termination unit failure, and manual patching.

4. Perform emergency power switch-over procedures.

5. Perform extreme temperature procedures.

6. Perform emergency Communication Security (COMSEC) procedures.

7. Perform emergency shut-down procedures.

8. Perform destruction of material to prevent enemy use.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08439A-10/1, Switchboard Telephone Automatic SB-3865(P)/TTC

2. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

3. TM 08439A-35/3, Switchboard SB-3865(P)/TTC

TRAINING MATERIEL:

1. SB-3865 (P)/TTC Telephone Switchboard

ADMINISTRATIVE INSTRUCTIONS: Interactive Courseware (ICW)is being developed for the fleet.

_____

TASK: 0612.03.09 (CORE) CALL SERVICE ATTENDANT (CSA) ON SB-3865(P)/TTC

CONDITION(S): Provided an installed and initialized SB-3865(P)/TTC, planning documents, and reference.

STANDARD(S): To provide call service assistance, per the reference.

PERFORMANCE STEPS:

1. Service nonsecure subscriber calls.

2. Service secure subscriber calls.

3. Dial outgoing calls.

4. Perform optional procedures and functions.

5. Perform unattended mode operations.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

TRAINING MATERIEL:

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ENCLOSURE (6)

1.   SB-3865 (P)/TTC Telephone Switchboard

ADMINISTRATIVE INSTRUCTIONS: Interactive Courseware (ICW) is currently being developed.

_____

TASK: 0612.03.10 (CORE) PERFORM PREVENTIVE MAINTENANCE (PM) ON SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC

CONDITION(S): Provided an SB-3865(P)/TTC, cleaning supplies and tools, and reference.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the reference.

PERFORMANCE STEPS:

1.   Adhere to all safety procedures.

2.   Clean exterior surfaces.

3.   Clean air filters and replace, when needed.

4.   Perform touch-up repainting on the outer faces of the equipment cases and covers, as required.

5.   Perform preventive maintenance on the backup battery.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1.   TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

TRAINING MATERIEL:

1.   Cleaning Materials, as applicable

2.   SB-3865 (P)/TTC Telephone Switchboard

3.   Tools, as applicable

_____

TASK: 0612.03.11 (CORE PLUS) INSTALL SB-22/PT MANUAL TELEPHONE SWITCHBOARD

CONDITION(S): Provided SB-22/PT telephones, planning documents, wire, tools, batteries, and reference.

STANDARD(S): To prepare SB-22/PT for operation, per the reference.

PERFORMANCE STEPS:

1.   Select a flat, stable surface.

2. Ground switchboard with appropriate wire.

3. Install batteries in battery pack.

4. Attach headset to switchboard.

5. Conduct pre-operational checks.

6. Insert lines through rubber gasket.

7. Install identified wire lines in terminal.

8. Record line data on front of line packs, and line record plate.

9. Identify and run lines between trunks and trunk packs.

10. Perform line checks.

11. Install in a stack configuration.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 11-5805-262-12, Maintenance Manual SB-22/PT and SB-22A

TRAINING MATERIEL:

1. Batteries, as applicable

2. Field Wire

3. SB-22/PT Manual Telephone Switchboard

4. Tools, as applicable

_____

TASK: 0612.03.12 (CORE PLUS) OPERATE SB-22/PT MANUAL SWITCHBOARD

CONDITION(S): Provided an installed SB-22/PT, designated equipment, tools, planning documents, and reference.

STANDARD(S): To ensure connection for subscribers, per the reference.

PERFORMANCE STEPS:

1. Answer calls.

2. Connect caller to desired line.

3. Connect conference calls, as required.

4. Check status of calls.

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5. Operate with or without audible drops.

6. Troubleshoot problems.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 11-5805-262-12, Maintenance Manual SB-22/PT and SB-22A

TRAINING MATERIEL:

1. SB-22/PT Manual Telephone Switchboard

2. TA-312/PT Telephone Set

3. Tools, as applicable

_____

TASK: 0612.03.13 (CORE PLUS) PERFORM INSTALLER/MAINTAINER MAINTENANCE ON THE
SWITCHBOARD, TELEPHONE, AUTOMATIC SB-3865(P)/TTC

CONDITION(S): Provided equipment, tools, and references.

STANDARD(S): To ensure Installer/Maintainer maintenance is performed, per the
references.

PERFORMANCE STEPS:

1. Adhere to safety precautions.

2. Perform initial troubleshooting procedures.

3. Perform subsystem detailed troubleshooting procedures.

4. Perform unit/module detailed troubleshooting procedures.

5. Perform CCA detailed troubleshooting procedures.

6. Perform signal path detailed troubleshooting procedures.

7. Troubleshoot switch module by removing/replacing components.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CFR 1910.1200, Title 29 Federal Regulations, Hazardous Communications

3. MCO P4790.2, MIMMS Field Procedures Manual

4. TM 08439A-10/1, Switchboard Telephone Automatic SB-3865(P)/TTC

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5. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

6. TM 08439A-35/3, Switchboard SB-3865(P)/TTC

DUTY AREA 04 - OPERATIONAL AUXILLARY DEVICES

TASK: 0612.04.01 (CORE) INSTALL TA-1042A/U TELEPHONE SET

CONDITION(S): Provided an initialized digital switch, a TA-1042A/U, planning documents, appropriate tools and wire, and references.

STANDARD(S): To prepare TA-1042A/U for operation, per the references.

PERFORMANCE STEPS:

    1. Connect wires, as appropriate.

    2. Select the proper mode of operation.

    3. Tag/Number wire and phone.

    4. Perform line check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. TM 08439A-10/1, Switchboard Telephone Automatic SB-3865(P)/TTC

    2. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

    3. TM 08789B-12/1, Digital Nonsecure Voice Terminal with Digital Data Port TA-1042A/U

TRAINING MATERIEL:

    1. AN/TTC-42 Automatic Telephone Central Office

    2. Field Wire

    3. TA-1042 A/U

    4. Tools, as applicable

_____

TASK: 0612.04.02 (CORE) INSTALL TA-312/PT TELEPHONE SET

CONDITION(S): Provided TA-312/PT, field wire, tools, batteries, planning document, and reference.

STANDARD(S): To prepare TA-312/PT for operation, per the reference.

PERFORMANCE STEPS:

    1. Select mode setting.

2. Place batteries in telephone, if necessary.

3. Connect wire to case then connect it to the telephone.

4. Tag/Number wire and phone.

5. Perform line check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 11-5805-201-12, Telephone Sets TA-312/PT and TA-312A

TRAINING MATERIEL:

1. Batteries, as applicable

2. Field Wire

3. TA-312/PT Telephone Set

4. Tools, as applicable

_____

TASK: 0612.04.03 (CORE) INSTALL TA-838/TT TELEPHONE SET

CONDITION(S): Provided a TA-838/TT, planning document, field wire, appropriate tools, batteries, and reference.

STANDARD(S): To prepare TA-838/TT for operation, per the reference.

PERFORMANCE STEPS:

1. Select mode.

2. Place batteries in telephone, as required.

3. Connect wires for 2 or 4 wire operation.

4. Ensure lock spring is in proper position.

5. Tag and number wire and phone.

6. Perform line check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 11-5805-650-12, Telephone Set TA-838/TT, TA-838A/TT

TRAINING MATERIEL:

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ENCLOSURE (6)

1. Batteries, as applicable

2. Field Wire

3. TA-838/TT Telephone Set

4. Tools, as applicable

_____

TASK: 0612.04.04 (CORE) INSTALL TA-938/G TELEPHONE SET

CONDITION(S): Provided an installed switchboard, TA-938/G, planning documents, wire, appropriate tools, and reference.

STANDARD(S): To prepare TA-938/G for operation, per the reference.

PERFORMANCE STEPS:

1. Connect wires to binding posts on back of TA-938/G.

2. Tag/Number wire and phone.

3. Perform line check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Field Wire

2. SB-22/PT Manual Telephone Switchboard

3. SB-3614/TT Telephone Switch

4. TA-938/G Telephone Set

5. Tools, as applicable

_____

TASK: 0612.04.05 (CORE PLUS) INSTALL TA-977/PT TONE SIGNALING ADAPTOR TO SB-22/PT MANUAL SWITCHBOARD

CONDITION(S): Provided TA-977/PT wire, SB-22/PT, appropriate tools, and reference.

STANDARD(S): To prepare TA-977/PT for operation, per the reference.

PERFORMANCE STEPS:

1. Connect TA-977/PT to side of SB-22/PT.

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    2. Connect TA-977/PT to emergency operator terminals on SB-22/PT.

    3. Perform operational check.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. TM 11-5805-262-12, Maintenance Manual SB-22/PT and SB-22A

TRAINING MATERIEL:

    1. SB-22/PT Manual Telephone Switchboard

    2. TA-977/PT Tone Signaling Adapter

    3. Tools, as applicable

_____

TASK: 0612.04.06 (CORE PLUS) INSTALL THE HYP-71

CONDITION(S): Provided HYP-71, KY-68, and reference.

STANDARD(S): To prepare HYP-71 for operation, per the reference.

PERFORMANCE STEPS:

    1. Connect power cable to KY-68.

    2. Apply appropriate power source.

    3. Conduct operational check.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: PFC

REFERENCE(S):

    1. TM 11-5810-329-10, Voice Terminal TSEC/KY-68

TRAINING MATERIEL:

    1. HYP-71 Auxiliary Power

    2. KY-68

_____

TASK: 0612.04.07 (CORE PLUS) INSTALL C-6709/G RADIO SET CONTROL

CONDITION(S): Provided C-6709/G, switchboard, unit standard operating procedure (SOP), radio equipment, power source, and reference.

STANDARD(S): To prepare C-6709/G for operation, per the reference.

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PERFORMANCE STEPS:

    1.   Site the equipment.

    2.   Connect power source.

    3.   Connect wires.

    4.   Connect headset to C-6709/G.

    5.   Apply power.

    6.   Conduct operation check.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   TM 11-5820-615-12, Radio Set C-6709/G

TRAINING MATERIEL:

    1.   C-6709G Radio Set Control

    2.   Power Source, as applicable

    3.   Radio Equipment, as applicable

    4.   Switchboard, as applicable

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ENCLOSURE (6)

MOS 0613, CONSTRUCTION WIREMAN

DUTY AREA 01 - CABLE SYSTEM CONSTRUCTION

For a complete MOS 0613 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0613.01.01 (CORE) CONSTRUCT OVERHEAD CABLE SYSTEM

CONDITION(S): Provided tools, equipment, and references.

STANDARD(S): To provide overhead cable for use, per the references.

PERFORMANCE STEPS:

   1. Adhere to all safety precautions.

   2. Set up M-876 telephone maintenance truck for augering.

   3. Set up M-876 telephone maintenance truck for overhead work.

   4. Set poles, as required.

   5. Install down guys and span guys for pole support.

   6. Install messenger supporting hardware on poles and buildings.

   7. Install messenger for cable support.

   8. Lash commercial cable to messenger.

   9. Lay/Connect cable.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1. FM 11-372-2, Outside Plant Cable Placement

   2. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

   1. Field Cable

   2. M-876 Telephone Maintenance Truck

_____

TASK: 0613.01.02 (CORE) CLIMB/DESCEND UNSTEPPED POLE

CONDITION(S): Provided appropriate tools, safety equipment, pole, and the reference.

STANDARD(S): To safely complete construction of overhead cable, per the reference.

PERFORMANCE STEPS:

1.   Ahere to all safety precautions.

2.   Ensure equipment is SL-3 complete.

3.   Select correct gafs for pole/tree.

4.   Check gaffs for thickness, width, and length with the Buckingham kit gaff gauge.

5.   Adjust LC-240.

6.   Inspect pole for soundness, and inspect tree for firmness and thickness of bark.

7. Climb pole/tree, carefully setting each gaff before disengaging the other one, locking the stationary leg.

8.   Look up to avoid obstructions when climbing.

9. Fasten safety strap at the top of climb at least 12 inches down from top of tree/pole.

10.   Unfasten safety strap.

11.   Descend pole carefully setting each gaff before engaging the other one.

12.   Look down to avoid obstructions/objects while descending.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

1. FM 24-20, Tactical Wire and Cable Techniques

TRAINING MATERIEL:

1.   LC-10

2.   LC-23 Cable Lashing Machine

3.   LC-240 Climber Set

ADMINISTRATIVE INSTRUCTIONS: For safety purposes the Marines must have gloves, LC-10, and safety strap LC-23.

_____

TASK: 0613.01.03 (CORE) PACK COMMERCIAL CABLES IN MANHOLES

CONDITION(S): Provided a manhole, commercial cables, tools, equipment, and reference.

STANDARD(S): To prepare commercial cables for use, per the reference.

PERFORMANCE STEPS:

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ENCLOSURE (6)

1. Adhere to all safety precautions.

2. Identify manhole.

3. Send cable into manhole.

4. Pack cable along side of underground system.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

TRAINING MATERIEL:

1. Cables

_____

TASK: 0613.01.04 (CORE) BURY CABLE

CONDITION(S): Provided cable plow/ditch witch, cable on a reel, and references.

STANDARD(S): To prepare cable for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Select route for cable.

3. Connect plow to vehicle.

4. Determine correct depth according to traffic areas and soil composition.

5. Lead cable through plow.

6. Dig trench with plow.

7. Ensure cable feeds smoothly.

8. Ensure plow buries cable properly.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

2. TM 10050A-14, Ditch Witch Model 2300

3. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

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ENCLOSURE (6)

_____

TASK: 0613.01.05 (CORE) CONSTRUCT SURFACE MOUNTED CONDUIT SYSTEMS

CONDITION(S): Provided conduit system, tools, and reference.

STANDARD(S): To provide surface mounted conduit systems for use, per the reference.

PERFORMANCE STEPS:

    1.   Adhere to all safety precautions.

    2.   Select route.

    3.   Determine the amount of cable.

    4.   Select site of conduit.

    5.   Elevate conduit system with supports.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

    1.   FM 11-372-2, Outside Plant Cable Placement

_____

TASK: 0613.01.06 (CORE) INSTALL WIRES IN CONDUIT SYSTEMS

CONDITION(S): Provided a pull wire, string, vacuum, and references.

STANDARD(S): To prepare wires for use, per the references.

PERFORMANCE STEPS:

    1.   Adhere to all safety precautions.

    2.   Attach pull wire to wire to be installed.

    3.   Lubricate the pull wire.

    4.   Attach string to pull wire.

    5.   Place string in conduit.

    6.   Position vacuum in other end of conduit.

    7.   Energize vacuum to retrieve string.

    8.   Pull string through conduit to retrieve pull wire.

    9.   Pull wire through conduit using pull wire.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

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ENCLOSURE (6)

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. FM 11-372-2, Outside Plant Cable Placement

    3. FM 24-20, Tactical Wire and Cable Techniques

    4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

_____

TASK: 0613.01.07 (CORE PLUS) PLAN A COMMERCIAL CABLE SYSTEM

CONDITION(S): Provided mission, local Standing Operating Procedure (SOP), Commander's guidance, and references.

STANDARD(S): To ensure a reliable and flexible cable system, per the references.

PERFORMANCE STEPS:

    1. Conduct map and physical reconnaissance.

    2. Determine cable routes.

    3. Determine pole requirements.

    4. Determine personnel requirements.

    5. Draft the plan complete with line route map.

    6. Submit plan for review.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. SOP, UNIT

    2. MCWP 3-1, Ground Combat Operations

    3. MCWP 6-22, Communication and Information Systems

_____

TASK: 0613.01.08 (CORE PLUS) RECOVER COMMERCIAL CABLE

CONDITION(S): Provided commercial cable, cable trailer, tools, vehicle, and references.

STANDARD(S): To ensure cable is recovered in a serviceable condition, per the references.

PERFORMANCE STEPS:

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ENCLOSURE (6)

1. Adhere to all safety precautions.

2. Identify cable start point.

3. Attach cable to reel.

4. Detach cable from supports.

5. Reel in cable.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: LCpl

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

2. FM 24-20, Tactical Wire and Cable Techniques

3. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Cable Reels

2. Field Cable

3. Tools, as applicable

4. Vehicle

_____

TASK: 0613.01.09 (CORE PLUS) DIRECT CONSTRUCTION OF OVERHEAD CABLE SYSTEM

CONDITION(S): Provided Annex K, complete with cable plan, personnel, tools, equipment, and references.

STANDARD(S): To ensure safety and adherence to cable plan, per the references.

PERFORMANCE STEPS:

1. Ensure all safety precautions.

2. Set-up M-876 telephone maintenance truck for augering.

3. Set-up M-876 telephone maintenance truck for overhead work.

4. Install down guys and span guys for pole support.

5. Install messenger supporting hardware on poles and buildings.

6. Install messenger for cable support.

7. Lash commercial cable to messenger.

8. Install suspension span.

9. Lay/Connect cable.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

2. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Field Cable

2. M-876 Telephone Maintenance Truck

_____

TASK: 0613.01.10 (CORE PLUS) CLEAR BLOCKED CONDUITS USING ROD KITS AND REAMERS

CONDITION(S): Provided blocked conduit, rod kit, reamers, and reference.

STANDARD(S): To enable use of conduit, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety requirements.

2. Locate blocked conduit.

3. Clear block with rod kit and reamer.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

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ENCLOSURE (6)

DUTY AREA 02 - EQUIPMENT OPERATION

TASK: 0613.02.01 (CORE) INSTALL DOWN GUY-WIRES AND SPAN GUY -WIRES FOR POLE SUPPORT

CONDITION(S): Provided down guys, span guys, poles, hardware, tools, and references.

STANDARD(S): To ensure pole is safe and effective for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Locate pole for down and span guys.

3. Determine amount of guy support needed.

4. Install down guy-wires and span guy-wires on pole.

5. Adjust guy-wire tension after cable installation.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 11-372-2, Outside Plant Cable Placement

3. FM 24-20, Tactical Wire and Cable Techniques

4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

_____

TASK: 0613.02.02 (CORE) INSTALL CONDUIT UNDER OBSTRUCTIONS USING MOLE BORING MACHINE

CONDITION(S): Provided a mole boring machine, drill rods, drill bits, an obstacle, and references.

STANDARD(S): To prepare conduit for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Determine depth of obstruction.

3. Install drill rod or drill bit to mole boring machine.

4. Drill under obstruction.

5. Install conduit.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

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ENCLOSURE (6)

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 11-372-2, Outside Plant Cable Placement

3. FM 24-20, Tactical Wire and Cable Techniques

4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

_____

TASK: 0613.02.03 (CORE PLUS) LOAD/UNLOAD COMMERCIAL CABLE REELS ON K-37 CABLE/POLE TRAILER

CONDITION(S): Provided K-37 trailer, cable reels, tools, and reference.

STANDARD(S): To ensure cable is loaded/unloaded correctly, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Identify reels to be loaded.

3. Check equipment for serviceability.

4. Load trailer per the reference.

5. Stay within allowable weight limit.

6. Tie down load after trailer is loaded.

7. Unload trailer.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

TRAINING MATERIEL:

1. Cable Reels

2. K-37 Trailer

3. Tools, as applicable

_____

TASK: 0613.02.04 (CORE PLUS) LOAD/UNLOAD POLES ON K-37 CABLE/POLE TRAILER

CONDITION(S): Provided truck, poles, necessary safety equipment, and references.

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ENCLOSURE (6)

STANDARD(S): To ensure poles are loaded/unloaded correctly, per the references.

PERFORMANCE STEPS:

    1.   Ensure safety of equipment.

    2.   Assist in leveling of truck.

    3.   Identify poles to be loaded.

    4.   Load poles on K-37 cable pole trailer using the king pole method.

    5.   Stay within allowable height/weight limit.

    6.   Unload poles in reverse order.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   FM 11-372-2, Outside Plant Cable Placement

    2.   TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

    1.   K-37 Trailer

    2.   M-876 Telephone Maintenance Truck

_____

TASK: 0613.02.05 (CORE PLUS) LASH COMMERCIAL CABLE TO MESSENGER USING LC-231 LASHING MACHINE, CABLE GUIDE, AND CABLE SUPPORT

CONDITION(S): Provided messenger, LC-231, cable guide, cable support, tools, and reference.

STANDARD(S): To ensure cable is secure, per the reference.

PERFORMANCE STEPS:

    1.   Adhere to all safety requirements.

    2.   Connect LC-231 to messenger.

    3.   Connect cable guide and cable support.

    4.   Pull LC-231 down commercial cable.

    5.   Ensure LC-231 is lashed properly.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

    1. Cable Guide

    2. Cable Support

    3. LC-231/FT Cable Lashing Machine

    4. Messenger

    5. Tools, as applicable

_____

TASK: 0613.02.06 (CORE PLUS) SET POLES USING M-876 TELEPHONE MAINTENANCE TRUCK

CONDITION(S): Provided poles, maintenance truck, and reference.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the reference.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Level the truck.

    3. Dig hole.

    4. Connect cable to pole.

    5. Raise pole.

    6. Set pole in hole.

    7. Back fill hole.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

    1. M-876 Telephone Maintenance Truck

    2. Poles

_____

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ENCLOSURE (6)

TASK: 0613.02.07 (CORE PLUS) CUT ASPHALT AND CONCRETE USING PIONJAR

CONDITION(S): Provided a pionjar, cutting blades, chalk, section of asphalt or concrete, and references.

STANDARD(S): To ensure asphalt/concrete is cut correctly and safely, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Ensure continuous supply of water while cutting.

    3. Install cutting blades on pionjar.

    4. Mark area to be cut using chalk.

    5. Cut asphalt or concrete.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. FM 11-372-2, Outside Plant Cable Placement

    3. FM 24-20, Tactical Wire and Cable Techniques

    4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

    1. Chalk

    2. Cutting Blades

    3. Pionjar

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TASK: 0613.02.08 (CORE PLUS) CUT TELEPHONE POLES USING CHAIN SAW

CONDITION(S): Provided M-876 truck, chain saws, winch equipment for removing hardware, pole to be removed, and references.

STANDARD(S): To ensure pole is correctly and safely removed, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Remove all cable and hardware from pole.

3. Attach winch line to balance point on pole.

4. Cut pole using chain saw.

5. Place pole on trailer using winch.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 11-372-2, Outside Plant Cable Placement

3. FM 24-20, Tactical Wire and Cable Techniques

4. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

1. Chainsaw

2. Field Cable

3. M-876 Telephone Maintenance Truck

4. Winch Equipment

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TASK: 0613.02.09 (CORE PLUS) SUPERVISE THE OPERATION OF K-37 CABLE/POLE TRAILER

CONDITION(S): Provided K-37 trailer, cable reels, telephone poles, personnel, tools, and reference.

STANDARD(S): To ensure trailer is loaded correctly and safely, per the reference.

PERFORMANCE STEPS:

1. Enforce all safety precautions.

2. Assign tasks.

3. Inspect equipment.

4. Direct efforts of personnel to ensure correct loading.

5. Load cables in first-in last-out the order.

6. Level the truck.

7. Load poles using the ring pole method.

8. Tie down load after trailer is loaded.

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INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

TRAINING MATERIEL:

1. Cable Reels

2. K-37 Trailer

3. Poles

4. Tools, as applicable

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TASK: 0613.02.10 (CORE PLUS) OPERATE M-876 TELEPHONE MAINTENANCE TRUCK UNDER UNUSUAL
CONDITIONS

CONDITION(S): Provided M-876, unusual driving conditions, and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or
damage to equipment, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Operate the vehicle in extreme cold.

3. Operate the vehicle in snow.

4. Operate the vehicle in dusty, sandy areas.

5. Operate the vehicle under rainy, humid conditions.

6. Operate the vehicle in deep mud.

7. Operate the vehicle in extreme heat.

8. Complete applicable forms.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FM 55-15, Transportation Reference Data

2. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

3. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

4. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

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TASK: 0613.02.11 (CORE PLUS) PULL POLES USING M-876 TELEPHONE MAINTENANCE TRUCK

CONDITION(S): Provided poles, maintenance truck, and reference.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the reference.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Connect chain to poles.

    3. Pull pole out of ground.

    4. Lay pole on ground or trailer.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

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TASK: 0613.02.12 (CORE PLUS) POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR AUGERING

CONDITION(S): Provided M-876 truck, personnel, all Stock List-3 (SL-3) equipment, ground area to be augered, and reference.

STANDARD(S): To prepare M-876 for use, per the reference.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Choose area for augering.

    3. Set-up auger.

    4. Inspect equipment for proper operation.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

TRAINING MATERIEL:

    1. M-876 Telephone Maintenance Truck

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2. Tools, as applicable

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TASK: 0613.02.13 (CORE PLUS) POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR OVERHEAD
WORK

CONDITION(S): Provided M-876 truck, overhead area, personnel, tools, equipment, and
reference.

STANDARD(S): To prepare M-876 for use, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Move to overhead area to work on.

3. Set-up truck.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 9-2320-269-10, TRK Tel Maint Util C/S 36000 GVW

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DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0613.03.01 (CORE PLUS) PERFORM CORRECTIVE MAINTENANCE ON FIBER OPTICS CABLE SYSTEMS

CONDITION(S): Provided designated faulty cable, references, and tools.

STANDARD(S): To return faulty cable systems to a fully operational status, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Identify cable fault.

    3. Evacuate to higher echelon, as required.

    4. Open an Equipment Repair Order.

    5. Order the necessary repair parts.

    6. Splice the fiber optic cable.

    7. Install fiber optic splice enclosure.

    8. Conduct cable check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 4700-15/1, Equipment Record Procedures

    3. TM 4790.2_, MIMMS Field Procedures Manual

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TASK: 0613.03.02 (CORE PLUS) PERFORM CORRECTIVE MAINTENANCE ON CABLE SYSTEMS

CONDITION(S): Provided designated faulty cable, references, and tools.

STANDARD(S): To return faulty cable systems to a fully operational status, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Identify cable fault.

    3. Evacuate to higher echelon, as required.

4. Open an Equipment Repair Order.

5. Order the necessary repair parts.

6. Repair cable fault.

7. Conduct operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 4700-15/1, Equipment Record Procedures

3. TM 4790.2_, MIMMS Field Procedures Manual

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MOS 0614, UNIT LEVEL CIRCUIT SWITCH OPERATOR

DUTY AREA 01 - OPERATIONAL DIGITAL SWITCH

For a complete MOS 0614 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE and MOS 0612, FIELD WIREMAN to the following tasks.

TASK: 0614.01.01 (CORE) INITIALIZE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided an installed AN/TTC-42(V) and references.

STANDARD(S): To prepare AN/TTC-42(V) for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Set Maintainer/Supervisor Position controls in the proper position.

3. Turn on POWER switch on Visual Display Unit (VDU).

4. Ensure the POWER indicator is ON.

5. Press the BOOTSTRAP buttons on the maintenance screens for all processors.

6. Ensure the ROM MODE indicator is ON.

7. Verify that the LOAD indicator on the maintenance PROCESSOR CONTROL panel goes ON.

8. Enter correct 7-digit password using keypad on MAINTAINER/SUPERVISOR CONTROL panel when prompted on the VDU.

9. Answer questions that appear on the VDU screen.

10. Verify that ON-LINE indicator on one of the switch PROCESSOR CONTROL panels is ON and that the other indicator is in STDBY.

11. Initialize Communications Security (COMSEC) equipment.

12. Adjust Voice Orderwire Control Unit (VOCU), as required.

13. Adjust VDU, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

2. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

   3. TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

   1. AN/TTC-42 Automatic Telephone Central Office

ADMINISTRATIVE INSTRUCTIONS: Disregard alarms which occur during initialization. If an alarm occurs, press the ALARM ACK button on the MAINTAINER/SUPERVISOR CONTROL panel and continue.

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TASK: 0614.01.02 (CORE) PROGRAM COMPACT DIGITAL SWITCH

CONDITION(S): Provided network cutsheets, Enhanced Switch Operator's Position interface, and references.

STANDARD(S): To prepare compact digital switch for use, per the references.

PERFORMANCE STEPS:

   1. Adhere to all safety precautions.

   2. Ground equipment.

   3. Connect power to shelter.

   4. Initialize the Compact Digital Switch.

   5. Establish CBCS-Flood Search Link.

   6. Establish CBCS-DIBTS Link.

   7. Establish CBCS-Deterministic Link.

   8. Establish CBCS-Commercial Link.

   9. Establish CBCS-T1/E1 Link.

   10. Patch a circuit to meet TRANSEC requirements.

   11. Operate the remote call service position.

   12. Distribute key material to meet COMSEC requirements.

   13. Establish CBCS-Local subscriber links.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. CJCSM 6231, Joint Tactical Communication Systems Manuals

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TRAINING MATERIEL:

1. AN/TTC-42 Automatic Telephone Central Office

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TASK: 0614.01.03 (CORE) PERFORM OPERATOR TURN-ON OF CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided an installed, initialized and fully powered AN/TTC-42(V), and references.

STANDARD(S): To prepare AN/TTC-42 for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Turn on the CSU.

3. Connect and turn on the KY-68 DSVT.

4. Install the EOW locally inside the shelter or remotely outside the shelter.

5. Turn on the Maintainer/Supervisor Position.

6. Turn on the Printer.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

2. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

3. TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

1. AN/TTC-42 Automatic Telephone Central Office

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TASK: 0614.01.04 (CORE) PERFORM CALL SERVICE ATTENDANT (CSA) OPERATING PROCEDURES ON THE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided an installed and initialized AN/TTC-42(V), an installed Call Service Unit (CSU), and reference.

STANDARD(S): To provide call service assistance, per the reference.

PERFORMANCE STEPS:

    1.   Service nonsecure subscriber calls.

    2.   Establish nonsecure conference calls.

    3.   Establish a secure conference call between two or more Digital Secure Voice Terminals (DSVT).

    4.   Dial outgoing calls, as required.

    5.   Monitor/Release commercial lines, as required.

    6.   Perform optional calling procedures and functions.

    7.   Set CSU for unattended mode operation when the operator is not available.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

    1.   * AN/TTC-42 Automatic Telephone Central Office

    2.   Call Service Unit

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TASK: 0614.01.05 (CORE) OPERATE THE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V) UNDER NORMAL CONDITIONS

CONDITION(S): Provided an installed and initialized AN/TTC-42(V) and references.

STANDARD(S): To ensure reliable service, per the references.

PERFORMANCE STEPS:

    1.   Adhere to safety precautions.

    2.   Operate the Engineering Orderwire (EOW) for both local and remote operation.

    3.   Operate the EOW control pannel.

    4.   Perform maintenance index procedures.

    5.   Perform security index procedures.

    6.   Shutdown the AN/TTC-42(V).

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

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REFERENCE(S):

1. 29 Code of Federal Regulations, OSHA 1910.1200

2. Applicable Technical Publications/Manuals

3. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

4. TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

1. * AN/TTC-42 Automatic Telephone Central Office

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TASK: 0614.01.06 (CORE) OPERATE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V) UNDER EMERGENCY CONDITIONS

CONDITION(S): Provided an installed and initialized AN/TTC-42(V), emergency situation, and references.

STANDARD(S): To ensure continued service, per the references.

PERFORMANCE STEPS:

1. Perform Call Service Unit (CSU) console emergency operating procedures.

2. Perform supervisor emergency operating procedures.

3. Perform an emergency, generator to generator, power switch-over procedures.

4. Perform extreme temperature procedures.

5. Perform emergency Communications Security (COMSEC) procedures.

6. Perform emergency shutdown procedures.

7. Perform destruction of material to prevent enemy use.

INITIAL TRAINING SETTING: FLC   Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

3. TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)

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TASK: 0614.01.07 (CORE PLUS) PERFORM SUPERVISOR OPERATING/INDEX PROCEDURES ON CENTRAL

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OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided an installed and initialized AN/TTC-42(V) and reference.

STANDARD(S): To call and review data base entry displays presented on the VDU and update entries in the system data base, per the reference.

PERFORMANCE STEPS:

1. Perform Supervisory System Management procedures.

2. Perform Supervisory Configuration Management procedures.

3. Perform Supervisory Terminal Assignment procedures (Assign, delete, change, and display trunks and trunk groups, as required).

4. Perform Suprevisory Routing Assignment procedures.

5. Perform Supervisory Traffic Management procedures.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

1. * AN/TTC-42 Automatic Telephone Central Office

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TASK: 0614.01.08 (CORE PLUS) ASSIST UNIT LEVEL CIRCUIT SWITCH (ULCS) PLANNER WITH ULCS PLANNING

CONDITION(S): Provided a requirement for ULCS, a tactical scenario, concept of operations, planning documents, and references.

STANDARD(S): To ensure reliable, secure and flexible ULCS, per the references.

PERFORMANCE STEPS:

1. Indentify interface equipment and cables.

2. Identify highways, channels, and termination number assignments.

3. Consider Line Termination Units (LTU) and modem selection.

4. Switch configuration plan.

5. Consider data base listings.

6. Evaluate Communications Security (COMSEC).

7.   Identify any hybrid stacking requirements.

8.   Identify bit rate for system.

9.   Determine system timing.

10.   Determine site selection.

INITIAL TRAINING SETTING: MOJT   Sustainment: 12   Req By: Sgt

REFERENCE(S):

1.   TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

2.   TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

DUTY AREA 02 - OPERATIONAL SECURE DIGITAL SWITCH

TASK: 0614.02.01 (CORE) INSTALL CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided a requirement for a AN/TTC-42(V), a site location, planning documents, tools, equipment, and references.

STANDARD(S): To prepare AN/TTC-42(V) for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Install shelter at designated location.

3. Ground equipment.

4. Install electronics equipment.

5. Install radio/wire interface unit (TSEC/KY-90), as required.

6. Connect power and signal cables.

7. Install plug-in items.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

2. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

3. TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

1. * AN/TTC-42 Automatic Telephone Central Office

2. Field Cable

3. TSEC/KY-90 Secure Digital Net Radio Interface Unit (SDNRIU)

ADMINISTRATIVE INSTRUCTIONS: High voltage is used in the operation of this equipment. DEATH ON CONTACT may result if personnel fail to observe safety precautions.

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TASK: 0614.02.02 (CORE) PERFORM COMMUNICATIONS SECURITY (COMSEC) OPERATIONS/INDEX PROCEDURES ON CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided an initialized, installed AN/TTC-42(V), and references.

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STANDARD(S): To ensure communication security is maintained, per the references.

PERFORMANCE STEPS:

    1. Perform COMSEC Variable Assignment Index procedures to add, change, delete or display assignments.

    2. Perform COMSEC Rekey Management to allow rekeying actions to be performed on either a switch or network basis.

    3. Peform COMSEC Variable Transfer/Purge Control procedures.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. CMS-1_, COMSEC Material System Policy & Procedures Manual

    2. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

    1. AN/TTC-42 Automatic Telephone Central Office

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DUTY AREA 03 - OPERATIONAL AUXILIARY DIGITAL SWITCH

TASK: 0614.03.01 (CORE) INSTALL TD-1234 REMOTE MULTIPLEXER COMBINER (RMC)

CONDITION(S): Provided TD-1234, appropriate four-wire terminal equipment, field wire, digital transmission path, planning documents, and references.

STANDARD(S): To prepare TD-1234 for use, per the references.

PERFORMANCE STEPS:

    1. Ensure proper connection to a digital transmission system.

    2. Connect power supply cord and apply power.

    3. Perform equipment self-test.

    4. Program circuit cards.

    5. Insert Analog Applique Unit (AAU) card to provide digital conversion of analog phones, if necessary.

    6. Connect subsriber terminal(s).

    7. Perform line check from subscriber equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 5805-12/1, Multiplexer TD-1235(P)/TTC

TRAINING MATERIEL:

    1. * Digital Transmission Path

    2. * Field Wire

    3. * Four Wire Terminal Equipment

    4. TD-1234 Multiplexer Combiner

TASK: 0614.03.02 (CORE) PERFORM INITIAL AND ANCILLARY EQUIPMENT TURN-ON PROCEDURES ON AN/TTC-42(V)

CONDITION(S): Provided an installed AN/TTC-42(V) and references.

STANDARD(S): To prepare AN/TTC-42(V) for use, per the references.

PERFORMANCE STEPS:

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1. Adhere to all safety precautions.

2. Ensure that alternating current (AC) OVERRIDE switch is in the NORMAL AC position.

3. Turn on the circuit breakers on the circuit breaker panel in their specified order.

4. Turn on the Front End Assembly and DC/DC converters.

5. Turn on ancillary equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

2. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

3. TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

1. * AN/TTC-42 Automatic Telephone Central Office

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TASK: 0614.03.03 (CORE) PERFORM OPERATOR MAINTENANCE ON THE CALL SERVICE UNIT (CSU) OF AN/TTC-42(V)

CONDITION(S): Provided a CSU in the idle state requiring operator maintenance and reference.

STANDARD(S): To return CSU to a fully operational status, per the reference.

PERFORMANCE STEPS:

1. Check the operation of all console indicator lamps and audible alarms utilizing the CSU Lamp/Alarm Test button.

2. Perform CSU operational test by the call service attendant calling a subscriber.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

TRAINING MATERIEL:

1. * AN/TTC-42 Automatic Telephone Central Office

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TASK: 0614.03.04 (CORE) PERFORM PREVENTIVE MAINTENANCE (PM) ON CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided an AN/TTC-42(V), cleaning materials, tools, and reference.

STANDARD(S): To ensure operational status of AN/TTC-42(V) is maintained, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety procedures.

2. Perform PM procedures on the Shelter Assembly.

3. Perform PM on the Maintenance/Supervisor position.

4. Perform PM procedures on the Power Distribution Cabinet.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 08789B-12/1, Digital Nonsecure Voice Terminal with Digital Data Port TA-1042A/U

TRAINING MATERIEL:

1. * AN/TTC-42 Automatic Telephone Central Office

2. * Cleaning Materials, as applicable

3. Tools, as applicable

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TASK: 0614.03.05 (CORE PLUS) PERFORM OPERATOR/MAINTAINER MAINTENANCE ON THE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)

CONDITION(S): Provided an installed and initialized AN/TTC-42 (V), tools, and references.

STANDARD(S): To ensure reliable and continuous operation, per the references.

PERFORMANCE STEPS:

1. Adhere to safety precautions.

2. Perform initial troubleshooting procedures.

3. Perform subsystem detailed troubleshooting procedures.

4. Perform unit/module detailed troubleshooting procedures.

5. Perform CCA detailed troubleshooting procedures.

6. Perform signal path detailed troubleshooting procedures.

7. Troubleshoot red switch cabinet by removing/replacing components.

8. Troubleshoot COMSEC cabinet by removing/replacing components.

9. Troubleshoot voice orderwire control unit (VOCU) console by removing/replacing components.

10. Troubleshoot power distribution cabinet by removing/replacing components.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. 29 Code of Federal Regulations, OSHA 1910.1200

2. Applicable Technical Publications/Manuals

3. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

4. TM 08440A-35/3, Central Office, Telephone, Automatic AN/TTC-42(V)

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MOS 0619, WIRE CHIEF

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

For a complete MOS 0619 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0619.01.01 (CORE) PLAN WIRE COMMUNICATIONS

CONDITION(S): Provided a mission, concept of operations, Commander's guidance, planning documents, and references.

STANDARD(S): To ensure reliable, secure and flexible wire communications, per the references.

PERFORMANCE STEPS:

1. Conduct map, weather and terrain analysis.

2. Conduct communication site survey, if possible.

3. Determine equipment and personnel requirements.

4. Draw a line route map.

5. Identify telephone users.

6. Determine priorities for installation of lines and telephone.

7. Produce documents (telephone directory, circuit diagram, line route map, and wiring plan).

8. Draft the wire plan.

9. Submit the finished plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. FM 24-20, Tactical Wire and Cable Techniques

2. FMFM 3-1, Command and Staff Action

3. MCWP 3-1, Ground Combat Operations

4. MCWP 6-22, Communication and Information Systems

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TASK: 0619.01.02 (CORE) DEVELOP UNIT LEVEL CIRCUIT SWITCH (ULCS) OPERATIONS PLAN

CONDITION(S): Provided mission, concept of operations, planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure and flexible Unit Level Circuit Switches, per the references.

PERFORMANCE STEPS:

1.   Conduct site survey or map analysis.

2.   Determine user requirements.

3.   Develop the network traffic diagram.

4.   Determine available resources.

5.   Determine power requirements.

6.   Identify the assigned PRSL to each node in the network.

7.   Identify types and locations of all external network interfaces.

8.   Define network Communications Security (COMSEC) relationships.

9.   Define network timing relationships.

10.   Identify exit switch relationships.

11.   Determine interface parameters for each digital switch in the network.

12.   Determine interoffice routing assignment parameters.

13.   Determine interface routing parameters.

14.   Define zone restrictions.

15.   Define single line termination trunk groups and multiplexed trunk groups.

16.   Assign analog single line termination.

17.   Establish distribution points.

18.   Determine cable types.

19.   Complete Loop Assignment Worksheet.

20.   Complete data base worksheet.

21.   Draft the ULCS plan

22.   Submit the finished plan.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: SSgt

REFERENCE(S):

1.   CJCSM 6231, Joint Tactical Communication Systems Manuals

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2. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

3. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

ADMINISTRATIVE INSTRUCTIONS: The Staff Planner's Tool will accelerate and enhance mastery of the standard.

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TASK: 0619.01.03 (CORE) DEVELOP LINE ROUTE MAP FOR FIELD WIRE AND CABLE LAYING

CONDITION(S): Provided a site survey, tactical scenario, Annex K, table of equipment (T/E), and references.

STANDARD(S): To ensure wire and cable are laid, per the references.

PERFORMANCE STEPS:

1. Conduct reconnaissance.

2. Select/Mark on a map the exact route along which wire is to be laid.

3. Submit line route map for review.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

2. FM 24-20, Tactical Wire and Cable Techniques

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TASK: 0619.01.04 (CORE) DEVELOP A SWITCHING NETWORK PLAN

CONDITION(S): Provided a mission, concept of operations, planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible switching network, per the references.

PERFORMANCE STEPS:

1. Conduct site survey or map analysis.

2. Analyze user requirements.

3. Identify equipment and personnel resources.

4. Identify available support equipment.

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5. Identify types and quantities of cable systems.

6. Develop network traffic diagram.

7. Define net radio/wire interface requirement (TSEC/KY-90).

8. Define network equipment.

9. Identify external network interface.

10. Define network Communications Security (COMSEC) functions.

11. Define single line termination trunk groups.

12. Define multiplexed trunk groups.

13. Develop a reconfiguration plan based on equipment outages.

14. Determine cable routes for external network requirements.

15. Draft plan.

16. Submit plan for approval.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. CJCSM 6231, Joint Tactical Communication Systems Manuals

2. TM 08439A-12/2-1, Operator and Organizational Maintenance Switchboard, Telephone, Automatic SB-3865(P)/TTC

3. TM 08440A-12/2-1, Operator and Organizational Maintenance Central Office, Telephone, Automatic AN/TTC-42(V)

4. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

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TASK: 0619.01.05 (CORE) DEVELOP FIBER OPTIC CABLE (FOC) PLAN

CONDITION(S): Provided a mission, concept of operations, planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure and flexible Fiber Optic Cable, per the references.

PERFORMANCE STEPS:

1. Conduct site survey or map/terrain analysis.

2. Determine user digital switch trunk group requirements.

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3. Determine cable routes for network requiremnets.

4. Determine lengths and quantities of fibers, converters, and repeaters required.

5. Draft plan.

6. Submit plan for approval.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. FM 24-20, Tactical Wire and Cable Techniques

2. TM 09006A-10/1, Converter Set Fiber Optic AN/GSC-54

3. TM 11-6020-200-10/02, Tactical Fiber Optic Cable Assembly (TFOCA) CX-13295/G-300 Meters

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TASK: 0619.01.06 (CORE) CREATE SECURE TELEPHONE (STU III, STE, MMT) OPERATIONS PLAN

CONDITION(S): Given a requirement to provide replacement secure communications to Automatic Secure Voice Communications (AUTOSEVOCOM) users, and references.

STANDARD(S): To ensure communication and information security, per the reference.

PERFORMANCE STEPS:

1. Identify user requirements.

2. Identify telephone requirements.

3. Maintain COMSEC.

4. Draft the plan.

5. Submit the plan for approval.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Motorola STU-III User's Guide

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TASK: 0619.01.07 (CORE) DEVELOP DIGITAL NONSECURE VOICE TERMINAL (DNVT) OPERATIONS PLAN

CONDITION(S): Provided a mission, concept of operations, planning documents, Commander's guidance, and reference.

STANDARD(S): To ensure reliable and flexible DNVT operations, per the reference.

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PERFORMANCE STEPS:

    1.   Review concept of operations.

    2.   Consolidate user requirements.

    3.   Draft the plan.

    4.   Submit plan for approval

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1.   TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

TASK: 0619.01.08 (CORE) DEVELOP DIGITAL SECURE VOICE TERMINAL (DSVT) OPERATIONS PLAN

CONDITION(S): Provided mission, concept of operations, planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure and flexible DSVT operations, per the references.

PERFORMANCE STEPS:

    1.   Review the concept of operations.

    2.   Consolidate user requirements.

    3.   Plan employment mode.

    4.   Plan for physical security requirements.

    5.   Plan for Communications Security (COMSEC) resources.

    6.   Plan for power requirements (Alternating Current (AC) or Direct Current (DC)).

    7.   Draft DSVT plan.

    8.   Submit plan for approval.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1.   TM 11-5810-329-10, Voice Terminal TSEC/KY-68

    2.   TM 11-5810-329-23, Voice Terminal TSEC KY-68

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TASK: 0619.01.09 (CORE PLUS) PLAN A COMMERCIAL CABLE SYSTEM

CONDITION(S): Provided a mission, local Standing Operating Procedure (SOP), Commander's guidance, and references.

STANDARD(S): To ensure reliable and flexible commercial cable systems, per the references.

PERFORMANCE STEPS:

1. Conduct reconnaissance.

2. Determine equipment requirements.

3. Determine personnel requirements.

4. Draft the plan complete with line route map.

5. Draft cable system plan.

6. Submit plan for approval.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. SOP, UNIT

2. MCWP 3-1, Ground Combat Operations

3. MCWP 6-22, Communication and Information Systems

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CONDITION(S): Provided a mission, local Standing Operating Procedure (SOP), Commander's guidance, and references.

STANDARD(S): To ensure reliable and flexible commercial cable systems, per the references.

DUTY AREA 02 - WIRE SYSTEM INSTALLATION SUPERVISION

TASK: 0619.02.01 (CORE PLUS) SUPERVISE INSTALLATION OF WIRE SYSTEM

CONDITION(S): Provided personnel, tools, equipment, planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure and flexible wire systems, per the references.

PERFORMANCE STEPS:

    1. Enforce all safety procedures.

    2. Assign personnel.

    3. Assign tasks.

    4. Provide specific instructions to team leaders.

    5. Check progress periodically to ensure compliance with instructions.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. CJCSM 6231, Joint Tactical Communication Systems Manuals

    2. FM 11-372-2, Outside Plant Cable Placement

    3. FM 24-20, Tactical Wire and Cable Techniques

    4. MCWP 6-22, Communication and Information Systems

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TASK: 0619.02.02 (CORE PLUS) SUPERVISE OPERATION OF WIRE/CABLE SYSTEM

CONDITION(S): Provided designated equipment, personnel, planning documents, and references.

STANDARD(S): To ensure reliable, secure and flexible wire/cable systems, per the references.

PERFORMANCE STEPS:

    1. Enforce all safety precautions.

    2. Assess wire/cable operational requirements.

    3. Assign wire personnel.

    4. Supervise equipment operation procedures.

    5. Supervise Communications Security (COMSEC) procedures.

6. Assist in the operations of systems control.

7. Assist operations in the Technical Control Facility (TECHCONFAC).

8. Inspect wire/cable system for deterioration.

9. Supervise preventive maintenance (PM) procedures.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. FM 11-372-2, Outside Plant Cable Placement

2. FM 24-20, Tactical Wire and Cable Techniques

3. MCWP 6-22, Communication and Information Systems

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DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

TASK: 0619.03.01 (CORE PLUS) SUPERVISE WIRE COMMUNICATION TRAINING PROGRAM

CONDITION(S): Provided appropriate training documents and references.

STANDARD(S): To maximize the capabilities provided by the organization, per the references.

PERFORMANCE STEPS:

1. Establish training priorities.

2. Devise training plan to increase skill level of personnel/unit.

3. Schedule participants and trainers.

4. Review lesson plans.

5. Supervise training.

6. Evaluate training effectiveness.

7. Revise plan according to evaluation.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. MCO P1200.7, MOS Manual

2. MCWP 6-22, Communication and Information Systems

MOS 0621, FIELD RADIO OPERATOR

DUTY AREA 01 - COMMUNICATION SYSTEMS INSTALLATION

For a complete MOS 0621 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0621.01.01 (CORE) INSTALL VEHICLE MOUNTED SINGLE CHANNEL GROUND RADIO AND AIRBORNE RADIO SYSTEM (SINCGARS) RADIO

CONDITION(S): Provided a vehicle, SINCGARS radio, fill (contained in fill device), frequency and/or hop set data, and references.

STANDARD(S): To prepare SINCGARS for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Place the radio into the mount.

3. Connect cable.

4. Install antenna.

5. Start vehicle.

6. Apply power to radio.

7. Load frequency and/or hop set data.

8. Select proper position for all switches.

9. Conduct operational check.

10. Repeat step 1-6 if the setup includes two radios.

11. Conduct retrans, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 11-5820-890-10-1, Operator Manual for SINCGARS Ground Combat Net Radio

3. TM 11-5820-890-10-2, SINCGARS ICOM Ground Radio

TRAINING MATERIEL:

1. AN/CYZ-10 Digital Transfer Device

2. AN/MRC-110A Radio Terminal Set

    3. AN/VRC-88A Radio Set (SINCGARS)

    4. AN/VRC-89A Radio Set (SINCGARS)

    5. AN/VRC-90A Radio Set (SINCGARS)

    6. AN/VRC-92A Radio Set (SINCGARS)

    7. * Vehicle

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TASK: 0621.01.02 (CORE) INSTALL AN/VSQ-2C(V)1 ENHANCED POSITION LOCATING REPORTING SYSTEM (EPLRS)

CONDITION(S): Provided an AN/VSQ-2C(V)1 key material, mil ID, batteries, and references.

STANDARD(S): To prepare AN/VSQ-2C(V)1 for operation, per the references.

PERFORMANCE STEPS:

    1. Install batteries.

    2. Attach antenna.

    3. Attach basic user unit.

    4. Load key material.

    5. Apply power.

    6. Conduct operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * AN/VSQ-2C (V)

    2. Batteries, as applicable

    3. Power Source, as applicable

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TASK: 0621.01.03 (CORE) INSTALL AN/PRC-119A SINCGARS RADIO

CONDITION(S): Provided an AN/PRC-119A, fill (contained in a fill device), frequency, and/or hop set data, callsign, batteries, and references.

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STANDARD(S): To prepare AN/PRC-119A for operation, per the references.

PERFORMANCE STEPS:

1. Install the batteries.

2. Secure the battery case.

3. Install antenna.

4. Connect handset.

5. Apply power.

6. Load frequency and/or hop set data.

7. Select proper position for all switches.

8. Conduct operational check.

9. Conduct retrans, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 11-5820-890-10-1, Operator Manual for SINCGARS Ground Combat Net Radio

3. TM 11-5820-890-10-2, SINCGARS ICOM Ground Radio

4. TM 11-5820-890-10-6, SINCGARS ICOM Ground Radios Used With Automated Net Control Device (ANCD) AN/CYZ-10

TRAINING MATERIEL:

1. AN/CYZ-10 Digital Transfer Device

2. * AN/PRC-119 Radio Set

3. Batteries, as applicable

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TASK: 0621.01.04 (CORE PLUS) INSTALL TSEC/KY-57 COMMUNICATION SECURITY EQUIPMENT

CONDITION(S): Provided a TSEC/KY-57 with batteries, COMSEC, designated transmission system, and references.

STANDARD(S): To prepare TSEC/KY-57 for operation, per the references.

PERFORMANCE STEPS:

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1. Install batteries.

2. Connect to designated transmission system.

3. Apply power.

4. Load COMSEC.

5. Conduct operational check.

6. Provide security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 11-5810-256-10-1, Sec Equip KY-57

3. TM 11-5810-256-10-2, Sec Group KY-57

4. TM 11-5810-256-12, Communications Security Equip TSEC/KY-57

5. TM 11-5810-256-OP, Comm Security Equip TSEC/KY-57

6. TM 11-5810-292-13, Comm Security Equip KOI-18/TSEC

7. TM 11-5810-312-12, Comm Sec Equip TSEC/KY-57 Install Kit

TRAINING MATERIEL:

1. Batteries, as applicable

2. * TSEC/KY-57 Speech Security Equipment (VINSON)

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TASK: 0621.01.05 (CORE) ERECT AS-2259/GR HF TACTICAL ANTENNA

CONDITION(S): Provided an AS-2259/GR, designated site, and references.

STANDARD(S): To prepare AS-2259/GR for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Select site.

3. Place the AB-1241.

4. Connect to the radio set.

5. Assemble mast.

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<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

1. Applicable Technical Publications/Manuals

2. TM 07508A-14, Inst Manual Antenna AS 2259/GR

3. TM 07748B-12/1, Radio Set AN/PRC-104

4. TM 07749/07743-12-1, Radio Set AN/GRC-193 AN/MRC-138

<u>TRAINING MATERIEL:</u>

1. AS-2259

<u>ADMINISTRATIVE INSTRUCTIONS:</u>

1. VEHICULAR INSTALLATION: The AS-2259/GR can be fitted to the MRC-138 by using the adapter MX-9313/GR on the vehicle whip mount. When using this method leave off two sections to keep the top of the antenna at the correct height.

2. The antenna should be located in the center of a clear area. Installation of the antenna near any tall metal object or under heavy foliage should be avoided. Under no circumstances should structures come in contact with the antenna.

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<u>TASK:</u> 0621.01.06 (CORE) INSTALL C-11561/U REMOTE CONTROL UNIT (RCU)

<u>CONDITION(S):</u> Provided a C-11561/U with batteries, wire, and designated Single Channel Ground and Airborne Radio System (SINCGARS) equipment, and references.

<u>STANDARD(S):</u> To prepare C-11561/U for operation, per the references.

<u>PERFORMANCE STEPS:</u>

1. Install batteries.

2. Connect handset.

3. Connect remote control unit to SINCGARS radio with wireline.

4. Load frequencies and/or hop set data.

5. Load COMSEC.

6. Conduct an operational check.

7. Provide security.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

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    1.   Applicable Technical Publications/Manuals

    2.   TM 11-5820-890-10-1, Operator Manual for SINCGARS Ground Combat Net Radio

    3.   TM 11-5820-890-10-8, SINCGARS

TRAINING MATERIEL:

    1.   AN/PRC-119A Radio Set

    2.   Batteries, as applicable

    3.   C-11561 SINCGARS Remote Control Unit

    4.   Field Wire

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TASK: 0621.01.07 (CORE) ERECT OE-254

CONDITION(S): Provided an OE-254, safety equipment, designated site, and references.

STANDARD(S): To prepare OE-254 for use, per the references.

PERFORMANCE STEPS:

    1.   Adhere to all safety precautions.

    2.   Select site.

    3.   Raise mast assembly without feedcone assembly.

    4.   Adjust/Tighten all guide lines.

    5.   Lower mast assembly to the ground.

    6.   Attach feedcone assembly.

    7.   Raise mast.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   TM 11-5985-357-13, Antenna Group OE-254/GRC

TRAINING MATERIEL:

    1.   * OE-254

ADMINISTRATIVE INSTRUCTIONS: Ensure selected site is clear of obstructions such as power lines. If there are power lines near the site, the antenna must not be closer

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than twice the height of the antenna.

_____

TASK: 0621.01.08 (CORE) INSTALL AN/GRA-39 RADIO SET CONTROL GROUP

CONDITION(S): Provided an AN/GRA-39 with batteries, wire, designated radio equipment, and references.

STANDARD(S): To prepare AN/GRA-39 for operation, per the references.

PERFORMANCE STEPS:

    1.   Install batteries.

    2.   Locate local control unit next to radio.

    3.   Connect local control unit at desired site.

    4.   Locate remote control unit at desired site.

    5.   Connect handset to remote control unit.

    6.   Connect two units together with a wireline.

    7.   Apply power.

    8.   Conduct operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   TM 11-5820-477-12, Radio Set Control Group AN/GRA-39

TRAINING MATERIEL:

    1.   * AN/GRA Radio Set Control Group

    2.   Batteries, as applicable

    3.   Field Wire

    4.   Radio Equipment, as applicable

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TASK: 0621.01.09 (CORE) INSTALL AN/PRC-104 RADIO SET

CONDITION(S): Provided an AN/PRC-104, frequency, callsign, batteries, and references.

STANDARD(S): To prepare AN/PRC-104 for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Ground, as required.

3. Install batteries.

4. Attach antenna.

5. Attach handset.

6. Set mode, antenna, frequency, and volume controls.

7. Apply power.

8. Tune the radio.

9. Conduct operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 07748B-12/1, Radio Set AN/PRC-104

3. TM 08235-14/1, Battery Assy Case CY-7875/PRC-104

TRAINING MATERIEL:

1. * AN/PRC-104 Radio Set

2. * Batteries, as applicable

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TASK: 0621.01.10 (CORE) INSTALL AN/MRC-138 RADIO SET

CONDITION(S): Provided an AN/MRC-138, frequency, designated site, hazardous warning
signs, and references.

STANDARD(S): To prepare AN/MRC-138 for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Ground the radio set.

3. Connect cables.

4. Install appropriate antenna.

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   5.   Connect handset.

   6.   Start vehicle.

   7.   Apply power to radio.

   8.   Set frequency.

   9.   Conduct operational check.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

   2.   TM 07749/07743-12-1, Radio Set AN/GRC-193 AN/MRC-138

   3.   TM 07749/07743-12-2, Amplifier-Converter AM-6879/URC

   4.   TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

TRAINING MATERIEL:

   1.   * AN/MRC-138A Radio Set

ADMINISTRATIVE INSTRUCTIONS: Drivers license (M998) required.

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TASK: 0621.01.11 (CORE) INSTALL AN/PRC-113 RADIO SET

CONDITION(S): Provided a AN/PRC-113, batteries, frequency, callsign, and references.

STANDARD(S): To prepare AN/PRC-113 for operation, per the references.

PERFORMANCE STEPS:

   1.   Install batteries.

   2.   Attach appropriate antenna.

   3.   Attach handset.

   4.   Apply power.

   5.   Manually select frequency.

   6.   Load preset channels.

   7.   Select a preset channel.

   8.   Conduct operational check.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

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REFERENCE(S):

    1. TO 31R2-2PRC-113-1-1, Supplemental Operators Manual Radio Set,
AN/PRC-113(V)3

    2. TO 31R2-2URC-63, REL/TRANS RT-1319 URC

    3. TO 31R2-PRC-113-6WC, Radio Set, AN/PRC-113(V)3

TRAINING MATERIEL:

    1. AN/PRC-113 (V) 3 Radio Set

    2. Batteries, as applicable

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TASK: 0621.01.12 (CORE) INSTALL TSEC/KY-99 COMMUNICATION SECURITY EQUIPMENT

CONDITION(S): Provided a TSEC/KY-99 with batteries, COMSEC, transmission system, and
references.

STANDARD(S): To prepare TSEC/KY-99 for operation, per the references.

PERFORMANCE STEPS:

    1. Install batteries.

    2. Connect TSEC/KY-99 to designated transmission system.

    3. Apply power.

    4. Load COMSEC.

    5. Conduct operational check.

    6. Provide security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. LMM-9, Limited Maintenance Manual, TSEC/KY-99

TRAINING MATERIEL:

    1. Batteries, as applicable

    2. TSEC/KY-99 Advanced Narrowband Digitala Voice Terminal (ANDVT/MINTERM)

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TASK: 0621.01.13 (CORE PLUS) INSTALL AN/VRC-83 RADIO SET

CONDITION(S): Provided an AN/VRC-83 and references.

STANDARD(S): To prepare AN/VRC-83 for operation, per the references.

PERFORMANCE STEPS:

1.   Adhere to all safety precautions.

2.   Ground the radio.

3.   Put the radio amplifier on the mount and fix into position.

4.   Ensure the radio amplifier is switched off, then connect the vehicle power supply to the back of the radio amplifier.

5.   Mount the Receiver/Transmitter (R/T) on the radio amplifier.

6.   Fix into position.

7.   Connect the Radio Frequency (RF) cable from the antenna socket on the R/T to the RF IN on the radio amplifier.

8.   Connect the antenna to the antenna socket on the radio amplifier.

9.   Connect handset to the R/T.

10.   Start vehicle.

11.   Apply power to radio.

12.   Conduct operational checks.

INITIAL TRAINING SETTING: MOJT   Sustainment: 12   Req By: Pvt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

2.   TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

3.   TO 31R2-2VRC83-3, Supplemental Operator Manual Radio Set AN/VRC-83(V)3

TRAINING MATERIEL:

1.   * AN/VRC-83

2.   * Power Source, as applicable

ADMINISTRATIVE INSTRUCTIONS: Drivers license (M998) required.

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TASK: 0621.01.14 (CORE PLUS) INSTALL AN/UXC-7A TACTICAL FACSIMILE SET

CONDITION(S): Provided a complete AN/UXC-7A, power source, carbon paper, transmission path, and references.

STANDARD(S): To prepare AN/UXC-7A for operation, per the references.

PERFORMANCE STEPS:

1. Connect signal cable to AN/UXC-7A.

2. Connect encryption device to AN/UXC-7A.

3. Ground equipment.

4. Connect power cable.

5. Apply power.

6. Perform self-test.

7. Set switches for on-line operation.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 09955A-10/1, Facsimile Set Tact AN/UXC-7A or B

3. TM 11-5810-256-12, Communications Security Equip TSEC/KY-57

4. TM 9406-15, Grounding Procedures

TRAINING MATERIEL:

1. AN/UXC-7A Tactical Facsimile

2. Carbon Paper

3. Power Source, as applicable

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TASK: 0621.01.15 (CORE PLUS) INSTALL AN AN/PSC-2 DIGITAL COMMUNICATIONS TERMINAL

CONDITION(S): Provided an AN/PSC-2, transmission device, batteries, and references.

STANDARD(S): To prepare AN/PSC-2 for operation, per the references.

PERFORMANCE STEPS:

1. Install power source.

2. Apply power.

3. Load application program.

4. Connect cables to equipment.

5. Run application program.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 08487A-12&P/1, Digital Comm Terminal AN/PSC-2

3. TM 08487A-14/1A, Digital Comm Terminal Pocket Checklist

4. TM 08487C-12&P/1, Digital Comm Terminal AN/PSC-2

5. TM 11-5895-1325-12&P, Digital Comm Terminal AN/PSC-2A

TRAINING MATERIEL:

1. * AN/PSC-2

2. * Batteries, as applicable

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TASK: 0621.01.16 (CORE PLUS) INSTALL UHF MANPACK TACTICAL SATELLITE TERMINAL

CONDITION(S): Provided a UHF Manpack Tactical Satellite Terminal, batteries, frequencies, callsign, cryptographic hardware and software, a compass, satellite location, and references.

STANDARD(S): To prepare UHF Manpack Tactical Satellite Terminal for operation, per the references.

PERFORMANCE STEPS:

1. Install batteries.

2. Attach appropriate antenna.

3. Site antenna.

4. Apply power.

5. Configure radio for operation.

6. Load COMSEC.

7. Conduct operation check.

8. Conduct UHF to VHF retrans, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 097726A-13, LMM-9A/TSEC KY-99

    3. TM 11-5810-256-12, Communications Security Equip TSEC/KY-57

    4. TM 11-5895-10/1, Radio Set AN/PSC-3

    5. TM 5820-12&P/1, AN/PSC-5

    6. TM 5895-10/1, Rad Set AN/PSC-3

TRAINING MATERIEL:

    1. AN/PSC-3

    2. AN/PSC-5 Satellite Communications Radio System

    3. Batteries, as applicable

    4. Compass

    5. UHF Manpack Tactical Satellite Terminal

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TASK: 0621.01.17 (CORE PLUS) INSTALL AN/MRC-140

CONDITION(S): Provided an AN/MRC-140, frequencies, callsign, designated site, and references.

STANDARD(S): To prepare AN/MRC-140 for operation, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precations.

    2. Install the RT in the mount.

    3. Install appropriate antenna for operations.

    4. Start vehicle.

    5. Apply power to radio.

    6. Configure radio for operations.

    7. Load COMSEC.

    8. Conduct operational check.

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<u>INITIAL TRAINING SETTING:</u> MOJT Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

   1.   Applicable Technical Publications/Manuals

   2.   TM 09120A-14/1, MRC Radio Set AN/MRC-140

   3.   TM 097726A-13, LMM-9A/TSEC KY-99

   4.   TM 11-5895-10/1, Radio Set AN/PSC-3

   5.   TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

   6.   TM 5820-12&P/1, AN/PSC-5

<u>TRAINING MATERIEL:</u>

   1.   * AN/MRC-140 Radio Set

   2.   * Vehicle

<u>ADMINISTRATIVE INSTRUCTIONS:</u> Drivers license (M998) required.

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<u>TASK:</u> 0621.01.18 (CORE PLUS) CONSTRUCT FIELD EXPEDIENT ANTENNA

<u>CONDITION(S):</u> Provided locally available materials, designated type of antenna, assigned radio, frequency, and references.

<u>STANDARD(S):</u> To provide field expedient antenna for use, per the references.

<u>PERFORMANCE STEPS:</u>

   1.   Adhere to all safety precautions.

   2.   Determine length of antenna.

   3.   Gather required materials.

   4.   Construct the antenna.

   5.   Restore radio communications.

<u>INITIAL TRAINING SETTING:</u> MOJT Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

   1.   Applicable Technical Publications/Manuals

   2.   FM 24-18, Tactical Single Channel Radio Communications Techniques

   3.   FMFRP 3-34, Field Antenna Handbook

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    4. TM 9406-15, Grounding Procedures

<u>ADMINISTRATIVE INSTRUCTIONS:</u> This task applies to constructing field expedients for the following antennae:

    Very High Frequency (VHF) ground plane.
    Vertical Whip.
    Long wire antenna.
    Vertical half rhombic.
    Dipole.
    Inverted L.
    Inverted V.
    Horizonal V.
    Sloping V.
    Ground plane.

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ENCLOSURE (6)

DUTY AREA 02 - COMMUNICATION SYSTEMS OPERATION

TASK: 0621.02.01 (CORE) OPERATE RADIO NET

CONDITION(S): Provided an operational transmission system, planning documents, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Use callsigns and/or prowords.

2. Use Q and Z signals, as required.

3. Use authentication procedures, as required.

4. Use opcode, as required.

5. Use nucode, as required.

6. Keep transmissions as short as possible.

7. Use radio circuit logs.

8. Employ preventive Electronic Protection (EP) techniques.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ACP-125, Communications Instruction for Radio Telephone Procedures

3. ACP-131, Communications Instruction - Operating Procedures

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TASK: 0621.02.02 (CORE) TROUBLESHOOT FAULTY RADIO

CONDITION(S): Provided a radio which fails to operate and references.

STANDARD(S): To determine cause for radio failure and return radio to operational status, if possible, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety procedures.

2. Check the power source(battery or Alternating Current (AC)).

3. Check the frequency.

    4. Check key setting (if not operating secure).

    5. Check all wire/cable connections.

    6. Check antenna connection

    7. Inform supervisor of unresolved problem.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

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TASK: 0621.02.03 (CORE) OPERATE AN/PRC-104 RADIO SET

CONDITION(S): Provided an installed AN/PRC-104, callsign, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Establish communication on the net.

    2. Troubleshoot problems.

    3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 07748B-12/1, Radio Set AN/PRC-104

    3. TM 08235-14/1, Battery Assy Case CY-7875/PRC-104

TRAINING MATERIEL:

    1. * AN/PRC-104 Radio Set

ADMINISTRATIVE INSTRUCTIONS: Contact the local frequency manager to get authorization to use the test frequencies, or to get specific information on alternate frequencies that may be used.

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TASK: 0621.02.04 (CORE) OPERATE AN/PRC-119

CONDITION(S): Provided an installed AN/PRC-119, callsign, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

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PERFORMANCE STEPS:

    1. Establish communication on the net.

    2. Troubleshoot problems.

    3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5820-890-10-2, SINCGARS ICOM Ground Radio

    3. TM 5820-498-12, SINCGARS Operator Level Maintenance Manual

TRAINING MATERIEL:

    1. * AN/PRC-119 Radio Set

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TASK: 0621.02.05 (CORE) OPERATE AN/VSQ-2 ENHANCED POSITION LOCATING AND REPORTING SYSTEM (EPLRS)

CONDITION(S): Provided an AN/VSQ-2, Mil ID, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Conduct operational check.

    2. Establish communication on the net.

    3. Troubleshoot problems.

    4. Perform operational level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * AN/VSQ-2C (V)

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TASK: 0621.02.06 (CORE) OPERATE AN/MRC-138 RADIO SET

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CONDITION(S): Provided an installed AN/MRC-138, callsign, safety equipment, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

 1. Establish communication on the net.

 2. Troubleshoot problems.

 3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

 1. Applicable Technical Publications/Manuals

 2. TM 07749/07743-12-1, Radio Set AN/GRC-193 AN/MRC-138

 3. TM 07749/07743-12-2, Amplifier-Converter AM-6879/URC

 4. TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

TRAINING MATERIEL:

 1. * AN/MRC-138A Radio Set

ADMINISTRATIVE INSTRUCTIONS: Drivers license (M998) required.

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TASK: 0621.02.07 (CORE) OPERATE AN/PSN-11 (GPS/PLGR)

CONDITION(S): Provided a AN/PSN-11, COMSEC, and references.

STANDARD(S): To provide reliable and secure communication, per the reference.

PERFORMANCE STEPS:

 1. Access satellites.

 2. Obtain time/almanac.

 3. Obtain location.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

 1. TM 09880A-10, AN/PSN-11 (PLGR)

TRAINING MATERIEL:

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1. * AN/PSN-11

ADMINISTRATIVE INSTRUCTIONS:

1. Ensure no obstructions block the signal of the satellite from the antenna.

2. Ensure the valid cryptographic key is obtained.

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TASK: 0621.02.08 (CORE) OPERATE C-11561/U REMOTE CONTROL UNIT (RCU)

CONDITION(S): Provided an installed C-1156/U interconnected to a designated Single Channel Ground and Airborne Radio System (SINCGARS) radio and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Establish communication on the net.

2. Conduct or receive net updates, as required.

3. Troubleshoot problems.

4. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 11-5820-890-10-1, Operator Manual for SINCGARS Ground Combat Net Radio

2. TM 11-5820-890-10-8, SINCGARS

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TASK: 0621.02.09 (CORE) OPERATE VEHICLE MOUNTED SINGLE CHANNEL GROUND AND AIRBORNE RADIO SYSTEM (SINCGARS)

CONDITION(S): Provided an installed vehicle mounted SINCGARS radio, callsign, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Establish communication on the net.

2. Troubleshoot problems.

3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5820-890-10-2, SINCGARS ICOM Ground Radio

    3. TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

    4. TM 5820-498-12, SINCGARS Operator Level Maintenance Manual

TRAINING MATERIEL:

    1. AN/MRC-110A Radio Terminal Set

    2. AN/VRC-88A Radio Set (SINCGARS)

    3. AN/VRC-89A Radio Set (SINCGARS)

    4. AN/VRC-92A Radio Set (SINCGARS)

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TASK: 0621.02.10 (CORE) OPERATE AN/PRC-113 RADIO SET

CONDITION(S): Provided an installed AN/PRC-113, callsign, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Establish communication on the net.

    2. Troubleshoot problems.

    3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TO 31R2-2PRC-113-1-1, Supplemental Operators Manual Radio Set, AN/PRC-113(V)3

    3. TO 31R2-2URC-63, REL/TRANS RT-1319 URC

    4. TO 31R2-PRC-113-6WC, Radio Set, AN/PRC-113(V)3

TRAINING MATERIEL:

    1. * AN/PRC-113 (V) 3 Radio Set

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TASK: 0621.02.11 (CORE) OPERATE AN/CYZ-10

CONDITION(S): Provided planning documents, equipment, and references.

STANDARD(S): To enable secure communication, per the references.

PERFORMANCE STEPS:

1. Program the Crypto Ignition Key (CIK) (user/supervisor).

2. Load E-sets.

3. Load a Load set.

4. Transfer data.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

TRAINING MATERIEL:

1. AN/CYZ-10 Digital Transfer Device

2. KIV-19

3. KIV-7

4. KY-68

5. KY-99

6. TSEC/KG-84A General Purpose Encryption Equipment

7. TSEC/KG-94/94A/194/194A Trunk Encyption Device

8. TSEC/KY-57 Speech Security Equipment (VINSON)

ADMINISTRATIVE INSTRUCTIONS: Operate CYZ-10 with the following equipment:

a. TSEC/KG-84.

b. TSEC/KG-194.

c. TSEC/KY-57.

d. KIV-7.

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e. KIV-19.

f. KY-99.

g. KY-68.

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TASK: 0621.02.12 (CORE PLUS) OPERATE UHF MANPACK TACTICAL SATELLITE TERMINAL

CONDITION(S): Provided an installed UHF Manpack TACSAT, callsign, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Establish communication on the net.

    2. Troubleshoot problems.

    3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5895-20P/6, Radio Set AN/PSC-3

TRAINING MATERIEL:

    1. * UHF Manpack Tactical Satellite Terminal

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TASK: 0621.02.13 (CORE PLUS) OPERATE AN/MRC-140

CONDITION(S): Provided an installed AN/MRC-140, callsigns, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Operate in Line-Of-Sight (LOS) mode.

    2. Operate in satellite mode.

    3. Conduct operational checks.

    4. Establish communication on the net.

    5. Troubleshoot problems.

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6.   Perform operator level preventive maintenance.

<u>INITIAL TRAINING SETTING:</u> MOJT Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

1.   TM 09120A-14/1, MRC Radio Set AN/MRC-140

2.   TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

3.   TM 5895-10/1, Rad Set AN/PSC-3

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<u>TASK:</u> 0621.02.14 (CORE PLUS) MAINTAIN CIRCUIT LOGS

<u>CONDITION(S):</u> Provided a blank circuit log, an assigned station on a transmission system, and references.

<u>STANDARD(S):</u> To reflect a complete and continuous record of all transmitted and received traffic, per the references.

<u>PERFORMANCE STEPS:</u>

1.   Print full name and grade upon opening a new circuit log, starting a new day's log, or upon assuming the watch.

2.   Record all transmissions heard regardless of source or completeness.

3.   Record time of opening the station.

4.   Record time of closing the station.

5.   Record causes of delay to the circuit.

6.   Record frequency adjustments and changes.

7.   Record unusual occurrences, such as procedure and security violations.

8.   Enter only the message heading up to the first break (BT) in the log when receiving or relaying a message. Record entire message on a message blank to include TOR and TOD.

9.   Make changes by drawing a single line through the original entry and initializing the change. DO NOT ERASE!

10. Sign the log upon relief of the watch or upon closing the circuit.

<u>INITIAL TRAINING SETTING:</u> MOJT Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

1.   ACP-125, Communications Instruction for Radio Telephone Procedures

2.   ACP-131, Communications Instruction - Operating Procedures

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TASK: 0621.02.15 (CORE PLUS) OPERATE AN/PSC-2 DIGITAL COMMUNICATION TERMINAL

CONDITION(S): Provided an installed AN/PSC-2 configured to a transmission system, Military ID, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

   1. Perform map functions.

   2. Perform message function.

   3. Set communications parameters.

   4. Transmit message/map.

   5. Receive message/map.

   6. Run self-test.

   7. Purge current applications program.

   8. Perform purge functions.

   9. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. TM 08487A-12&P/1, Digital Comm Terminal AN/PSC-2

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TASK: 0621.02.16 (CORE PLUS) OPERATE AN/PPN-19 RADAR BEACON

CONDITION(S): Provided an AN/PPN-19 and references.

STANDARD(S): To ensure reliable signal, per the references.

PERFORMANCE STEPS:

   1. Install battery.

   2. Attach antenna.

   3. Apply power.

   4. Conduct operational check.

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5. Troubleshoot problems.

6. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 5840-12/1, Transponder Set, AN/PPN-19(V)1

TRAINING MATERIEL:

1. * AN/PPN-19 Radar Transponder Beacon

2. * Batteries, as applicable

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TASK: 0621.02.17 (CORE PLUS) OPERATE AN/PRC-68A/KYV-2 RADIO SET

CONDITION(S): Provided an AN/PRC-68A/KYV-2, frequency, callsign, batteries, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Install batteries.

2. Connect antenna.

3. Connect handset.

4. Supply power.

5. Load COMSEC.

6. Conduct operational check.

7. Establish communications on the net.

8. Troubleshoot problem.

9. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCO 2040.10, TSEC KYV-2A

    3. TM 06827B-10/1, Radio Set AN/PRC-68A

TRAINING MATERIEL:

    1. AN/PRC-68A

    2. Batteries, as applicable

    3. KYV-2

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TASK: 0621.02.18 (CORE PLUS) OPERATE TSEC/KYX-15A NET CONTROL DEVICE

CONDITION(S): Provided a TSEC/KYX-15A, transmission system, and references.

STANDARD(S): To provide reliable net control, per the references.

PERFORMANCE STEPS:

    1. Perform Variable Generated (VG) operation.

    2. Perform Automatic Rekey (AK) operation.

    3. Perform Manual Rekey (MK) net controller to subscriber operation.

    4. Peform MK net controller to alternate net controller operation.

    5. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5810-292-13, Comm Security Equip KOI-18/TSEC

TRAINING MATERIEL:

    1. TSEC/KYX-15A

_____

TASK: 0621.02.19 (CORE PLUS) OPERATE AN/UXC-7A TACTICAL FACSIMILE SET

CONDITION(S): Provided an installed AN/UXC-7A and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Send/Receive traffic.

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2. Troubleshoot, as required.

3. Reinitialize, as required.

4. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 08104A-14/1, Facsimile Set Tact AN/GXC-7A

3. TM 09955A-10/1, Facsimile Set Tact AN/UXC-7A or B

TRAINING MATERIEL:

1. * AN/UXC-7A Tactical Facsimile

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TASK: 0621.02.20 (CORE PLUS) OPERATE TSEC/KY-99 COMMUNICATIONS SECURITY EQUIPMENT

CONDITION(S): Provided a TSEC/KY-99 connected to designated transmission system and reference.

STANDARD(S): To provide reliable and secure communication, per the reference.

PERFORMANCE STEPS:

1. Establish communications on the net.

2. Troubleshoot problems.

3. Perform operator level preventive maintenance.

4. Provide security.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. LMM-9, Limited Maintenance Manual, TSEC/KY-99

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TASK: 0621.02.21 (CORE PLUS) OPERATE INTERNATIONAL MARITIME SATELLITE (INMARSAT) TERMINAL

CONDITION(S): Provided an operational INMARSAT terminal, air time, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

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1. Coordinate access.

2. Set-up INMARSAT.

3. Site antenna.

4. Apply power.

5. Conduct operation check.

6. Troubleshoot, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. INMARSAT Terminal

2. Power Source, as applicable

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TASK: 0621.02.22 (CORE PLUS) ESTABLISH ELECTRONIC PROTECTION (EP)

CONDITION(S): Provided a tactical situation, a communication system, Enemy Electronic Warfare (EW) activity, and references.

STANDARD(S): To enable the protection of friendly communications against hostile Communication Countermeasures, per the references.

PERFORMANCE STEPS:

1. Identify jamming/interference.

2. Report jamming/interference incidents.

3. Employ alternate means of communications.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 24-18, Tactical Single Channel Radio Communications Techniques

3. MCWP 6-22, Communication and Information Systems

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ENCLOSURE (6)

TASK: 0621.02.23 (CORE PLUS) OPERATE AN/VRC-83 RADIO SET

CONDITION(S): Provided an installed AN/VRC-83, callsign, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Establish communication on the net.

    2. Troubleshoot problems.

    3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TO 31R2-2VRC83-3, Supplemental Operator Manual Radio Set AN/VRC-83(V)3

TRAINING MATERIEL:

    1. * AN/VRC-83

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DUTY AREA 03 - COMMUNICATION SYSTEMS SUPERVISION

TASK: 0621.03.01 (CORE PLUS) DIRECT OPERATION OF SINGLE CHANNEL RADIO PLAN

CONDITION(S): Provided single channel radio plan, radio equipment, personnel, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Direct radio operations.

    2. Direct operation of antenna hill.

    3. Direct troubleshooting procedures.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

    1. ACP-125, Communications Instruction for Radio Telephone Procedures

    2. ACP-131, Communications Instruction - Operating Procedures

    3. MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

    1. Radio Equipment, as applicable

DUTY AREA 04 - VEHICLE OPERATIONS

TASK: 0621.04.01 (CORE) OPERATE M SERIES VEHICLE ON ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Perform PMCS.

2. Prepare operational forms and records.

3. Start the engine.

4. Select transmission and transfer case gear.

5. Place vehicle in motion for forward or reverse movement.

6. Comply with traffic regulations.

7. Stop the vehicle.

8. Stop the engine.

9. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. M Series Vehicle

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TASK: 0621.04.02 (CORE) OPERATE M SERIES VEHICLE OFF ROAD

Appendix F to
ENCLOSURE (6)

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1.   Perform Preventive Maintenance Checks and Services.

2.   Prepare operational forms and records.

3.   Start the engine.

4.   Select transmission and transfer case gear.

5.   Place vehicle in motion for forward or reverse movement.

6.   Stop vehicle.

7.   Stop engine.

8.   Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1.   FM 21-305, Manual for Wheeled Vehicle Driver

2.   FM 55-30, Army Motor Transport Units and Operations

3.   FMFM 4-9, Motor Transport

4.   TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5.   TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6.   TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7.   TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1.   * M Series Vehicle

_____

TASK: 0621.04.03 (CORE) OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

    1.   Maintain correct vehicle speed.

    2.   Maintain correct vehicle interval.

    3.   Observe safety precautions.

    4.   Perform at-halt PMCS on equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1.   FM 21-305, Manual for Wheeled Vehicle Driver

    2.   FMFM 4-9, Motor Transport

    3.   TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

    4.   TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

    5.   TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

    6.   TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

    7.   TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

    8.   TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

    9.   TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

    1.   * M Series Vehicle

_____

TASK: 0621.04.04 (CORE) OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

    1.   Operate vehicle at night with service lights.

    2.   Operate in blackout conditions using blackout lights.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

Appendix F to
ENCLOSURE (6)

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

_____

TASK: 0621.04.05 (CORE) PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) ON M SERIES VEHICLES

CONDITION(S): Provided with an operational M Series vehicle, required tools, equipment, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Perform before operations PMCS.

2. Perform during operations PMCS.

3. Perform after operation PMCS.

4. Perform weekly PMCS.

5. Perform monthly PMCS.

6. Maintain basic issue items.

7. Identify hazardous waste for disposal.

8. Perform PMCS on weapons mount.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. MCO 5100.25, Hazardous Material Information System

2. MCO P4790.2, MIMMS Field Procedures Manual

3. TM 1005-13&P, Maintenance for Weapons Mount to Tactical Vehicles

Appendix F to
ENCLOSURE (6)

4.   TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5.   TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6.   TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7.   TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

8.   TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

9.   TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

10.   TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

11.   TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

1.   * M Series Vehicle

2.   * Tools, as applicable

_____

TASK: 0621.04.06 (CORE PLUS) OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1.   Operate the vehicle in extreme cold.

2.   Operate the vehicle in snow.

3.   Operate the vehicle in dusty, sandy areas.

4.   Operate the vehicle under rainy, humid conditions.

5.   Operate the vehicle in deep mud.

6.   Operate the vehicle in extreme heat.

INITIAL TRAINING SETTING: MOJT   Sustainment: 6   Req By: Pvt

REFERENCE(S):

1.   FM 21-305, Manual for Wheeled Vehicle Driver

2.   FM 55-30, Army Motor Transport Units and Operations

3.   FMFM 4-9, Motor Transport

Appendix F to
ENCLOSURE (6)

    4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

    5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

    6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

    1. * M Series Vehicle

Appendix F to
ENCLOSURE (6)

MOS 0622, MOBILE MULTICHANNEL EQUIPMENT OPERATOR

DUTY AREA 01 - COMMUNICATIONS PLANNING

For a complete MOS 0622 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0622.01.01 (CORE PLUS) PREPARE TEAM ASSIGNMENT FORM FOR AN/MRC-142 RADIO SET

CONDITION(S): Provided a team assignment form, performance results from Systems Planning, Engineering and Evaluation Device (SPEED), topographic map, assigned frequencies, callsigns, subscriber requirements, operating times, and references.

STANDARD(S): To ensure continual and reliable communication, per the references.

PERFORMANCE STEPS:

1. Obtain data

2. Complete team assignment form.

3. Submit team assignment form to supervisor.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 09543A-12, AN/MRC-142 Radio Terminal Set

3. TM 11-5810-292-OP, Comm Sec Equip TSEC/KY-57

4. TM 11-5810-365-23, TRNK ENCRYPT Device KG-94A/KG-194A

5. TM MRC-142, Technical Manual - AN/MRC-142 MUX Radio

Appendix G to
ENCLOSURE (6)

DUTY AREA 02 - COMMUNICATIONS INSTALLATION

TASK: 0622.02.01 (CORE) INSTALL AN/MRC-142

CONDITION(S): Provided AN/MRC-142, team assignment worksheet, and references.

STANDARD(S): To prepare AN/MRC-142 for operation, per the references.

PERFORMANCE STEPS:

  1. Adhere to all safety precaustions.

  2. Site the equipment.

  3. Ground the system.

  4. Erect/Orient antennas.

  5. Connect cables.

  6. Apply power.

  7. Install COMSEC, as required.

  8. Load COMSEC.

  9. Load frequencies.

  10. Conduct self-test.

  11. Establish communication.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

  1. Applicable Technical Publications/Manuals

  2. TM 09543A-12, AN/MRC-142 Radio Terminal Set

TRAINING MATERIEL:

  1. * AN/MRC-142 Radio Set

  2. Field Cable

  3. Power Source, as applicable

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TASK: 0622.02.02 (CORE) ERECT AS-3964 ANTENNA

CONDITION(S): Provided AS-3964 antenna, team assignment worksheet, and references.

Appendix G to
ENCLOSURE (6)

STANDARD(S): To prepare AS-3964 for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Erect mast and anchor assemblies.

3. Install offset adapter.

4. Determine polorization.

5. Connect RF cable.

6. Erect mast.

7. Secure mast.

8. Set azimuth.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 09543A-12, AN/MRC-142 Radio Terminal Set

TRAINING MATERIEL:

1. * AS-3964

2. Field Cable

_____

TASK: 0622.02.03 (CORE) PREPARE MULTICHANNEL RADIO EQUIPMENT FOR EMBARKATION

CONDITION(S): Provided an operations order/plan, unit embarkation SOP, designated equipment, personnel, tools, embarkation material, embarkation plan, and references.

STANDARD(S): To ensure serviceability and accountability of equipment, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety procedures.

2. Review unit embarkation SOP.

3. Coordinate with embarkation personnel to ensure manifests are correct.

4. Submit required data to unit embarkation officer.

5. Ensure equipment, boxes, pallets, and vehicles are marked, waterproofed,

secured, and banded.

6. Ensure equipment is tied down.

7. Conduct safety and load inspection of all vehicles.

8. Ensure arrangements have been made to embark and store Classified Material Storage (CMS) material.

9. Ensure hazardous materials are packaged, marked, and documented.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. FMFM 4-6, Air Movement of FMF Units

2. MCO P4600.7_, USMC Transportation Manual

Appendix G to
ENCLOSURE (6)

DUTY AREA 03 - COMMUNICATIONS OPERATIONS

TASK: 0622.03.01 (CORE) OPERATE AN/MRC-142

CONDITION(S): Provided an installed AN/MRC-142, team assignment worksheet, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Establish communications.

2. Troubleshoot problems.

3. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 09543A-12, AN/MRC-142 Radio Terminal Set

TRAINING MATERIEL:

1. * AN/MRC-142 Radio Set

Appendix G to
ENCLOSURE (6)

DUTY AREA 04 - VEHICLE OPERATIONS

TASK: 0622.04.01 (CORE) OPERATE M SERIES VEHICLE ON ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Perform Preventive Maintenance Checks and Services (PMCS).

2. Prepare operational forms and records.

3. Start the engine.

4. Select transmission and transfer case gear.

5. Place vehicle in motion for forward or reverse movement.

6. Comply with traffic regulations.

7. Stop the vehicle.

8. Stop the engine.

9. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

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TASK: 0622.04.02 (CORE) OPERATE M SERIES VEHICLE OFF ROAD

Appendix G to
ENCLOSURE (6)

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1.   Perform PMCS.

2.   Prepare operational forms and records.

3.   Start the engine.

4.   Select transmission and transfer case gear.

5.   Place vehicle in motion for forward or reverse movement.

6.   Stop vehicle.

7.   Stop engine.

8.   Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1.   FM 21-305, Manual for Wheeled Vehicle Driver

2.   FM 55-30, Army Motor Transport Units and Operations

3.   FMFM 4-9, Motor Transport

4.   TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5.   TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6.   TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7.   TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1.   * M Series Vehicle

_____

TASK: 0622.04.03 (CORE) OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

Appendix G to
ENCLOSURE (6)

PERFORMANCE STEPS:

    1. Maintain correct vehicle speed.

    2. Maintain correct vehicle interval.

    3. Observe safety precautions.

    4. Perform at-halt PMCS on equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. FM 21-305, Manual for Wheeled Vehicle Driver

    2. FMFM 4-9, Motor Transport

    3. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

    4. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

    5. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

    6. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

    7. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

    8. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

    9. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

    1. * M Series Vehicle

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TASK: 0622.04.04 (CORE) OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

    1. Operate vehicle at night with service lights.

    2. Operate in blackout conditions using blackout lights.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

Appendix G to
ENCLOSURE (6)

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

2. * Night Service Lights

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TASK: 0622.04.05 (CORE) PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS) ON M SERIES VEHICLES

CONDITION(S): Provided with an operational M Series vehicle, required tools and equipment, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Perform before operation PMCS.

2. Perform during operation PMCS.

3. Perform after operation PMCS.

4. Perform weekly PMCS.

5. Perform monthly PMCS.

6. Maintain basic issue items.

7. Identify hazardous waste for disposal.

8. Perform PMCS on weapons mount.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. MCO 5100.25, Hazardous Material Information System

2. MCO P4790.2, MIMMS Field Procedures Manual

Appendix G to
ENCLOSURE (6)

    3. TM 1005-13&P, Maintenance for Weapons Mount to Tactical Vehicles

    4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

    5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

    6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

    7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

    8. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

    9. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

    10. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

    11. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

    1. * M Series Vehicle

    2. * Tools, as applicable

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TASK: 0622.04.06 (CORE PLUS) OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

    1. Operate the vehicle in extreme cold.

    2. Operate the vehicle in snow.

    3. Operate the vehicle in dusty, sandy areas.

    4. Operate the vehicle under rainy, humid conditions.

    5. Operate the vehicle in deep mud.

    6. Operate the vehicle in extreme heat.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. FM 21-305, Manual for Wheeled Vehicle Driver

    2. FM 55-30, Army Motor Transport Units and Operations

Appendix G to
ENCLOSURE (6)

3.   FMFM 4-9, Motor Transport

4.   TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5.   TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

6.   TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

<u>TRAINING MATERIEL:</u>

1.   * M Series Vehicle

MOS 0623, TRANSPORTABLE MULTICHANNEL EQUIPMENT OPERATOR

DUTY AREA 01 - COMMUNICATIONS PLANNING

For a complete MOS 0612 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0623.01.01 (CORE) PREPARE TEAM ASSIGNMENT FORM FOR AN/TRC-170(V)5

CONDITION(S): Provided a team assignment form, performance results from Systems Planning, Engineering and Evaluation Device (SPEED), topographic map, assigned frequencies, callsigns, subscriber requirements, operating times, and reference.

STANDARD(S): To ensure continual and reliable communication, per the reference.

PERFORMANCE STEPS:

   1. Obtain needed data.

   2. Complete team assignment form.

   3. Submit team assignment form to supervisor.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

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TASK: 0623.01.02 (CORE) SELECT A SITE TO EMPLOY AN/TRC-170(V)5

CONDITION(S): Provided a topographic map, pocket transit, tentative sites, and reference.

STANDARD(S): To ensure reliable, secure and flexible communication, per the reference.

PERFORMANCE STEPS:

   1. Plot military grid coordinates.

   2. Determine altitude of plotted grid coordinates.

   3. Determine path resistance.

   4. Identify all natural and manmade obstacles.

   5. Select a suitable site.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

Appendix H to
ENCLOSURE (6)

    1. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

<u>TRAINING MATERIEL:</u>

    1. Topographic Map

_____

<u>TASK:</u> 0623.01.03 (CORE PLUS) DETERMINE OPTIMUM MODE OF PROPAGATION FOR AN/TRC-170(V)5

<u>CONDITION(S):</u> Provided a computer with Systems Planning, Engineering and Evaluation Device (SPEED) installed, military map, pocket transit, site locations, and reference.

<u>STANDARD(S):</u> To ensure reliable, secure and flexible communication, per the reference.

<u>PERFORMANCE STEPS:</u>

    1. Load all available data into computer containing SPEED.

    2. Analyze results.

    3. Determine optimum mode of propagation.

<u>INITIAL TRAINING SETTING:</u> MOJT Sustainment: 12 Req By: PFC

<u>REFERENCE(S):</u>

    1. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

<u>TRAINING MATERIEL:</u>

    1. AN/TRC-170 Radio Terminal Set

DUTY AREA 02 - COMMUNICATIONS INSTALLATION

TASK: 0623.02.01 (CORE) INSTALL AN/TRC-170(V)5

CONDITION(S): Provided an AN/TRC-170(V)5, site location, power source, completed Crew Assignment Form, and references.

STANDARD(S): To prepare AN/TRC-170(V)5 for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Site the equipment.

3. Erect/Polorize the antennas.

4. Ground the equipment.

5. Connect antenna to AN/TRC-170(V)5.

6. Connect power source.

7. Apply power.

8. Load COMSEC.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. FM 21-31, Topographic Symbols

3. TM 05684C/05685B-12, MEP-3 Generator Set

4. TM 06858B/06859D-12, MEP-5 Generator Set

5. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

6. TM 08761A-12/1, Digital Data Modem MD-1026(P)/G

7. TM 08792A-12/1, Multiplexer-Combiner TD-1234(P)/TTC

8. TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC

9. TM 11-5810-262-12, TSEC/KY-58

10. TM 11-5810-329-10, Voice Terminal TSEC/KY-68

11. TM 11-5810-365-10, TSEC/KG-194

12. TM 11-5995-208-10, Operator's Manual for Cable Assembly

13. TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

14. TM 5805-12/1, Multiplexer TD-1235(P)/TTC

15. TM 5805-12/2, Multiplexer TD-1236/G

16. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

TRAINING MATERIEL:

1. AN/TRC-170 Radio Terminal Set

2. Power Source, as applicable

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TASK: 0623.02.02 (CORE) ERECT OE-468 ANTENNA GROUP

CONDITION(S): Provided OE-468, AN/TRC-170, crew assignment worksheet, pocket transit, and references.

STANDARD(S): To prepare OE-468 for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Shoot azimuth with pocket transit.

3. Site antenna.

4. Erect antenna.

5. Connect wave guides and messenger cable.

6. Ground antenna.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

3. TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC

TRAINING MATERIEL:

1. * AN/TRC-170 Radio Terminal Set

2. Ground Stakes

3. * OE-468

Appendix H to
ENCLOSURE (6)

4. Tools, as applicable

DUTY AREA 03 - COMMUNICATIONS OPERATION

TASK: 0623.03.01 (CORE) OPERATE AN/TRC-170(V)5

CONDITION(S): Provided an installed AN/TRC-170(V)5, completed Crew Assignment worksheet, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Energize for Line-Of-Sight (LOS) operation.

3. Energize power amplifier for LOS, OGD or TROPO operation.

4. Establish communication with distant end.

5. Connect subscribers.

6. Troubleshoot problems.

7. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. TM 05684C/05685B-12, MEP-3 Generator Set

2. TM 06858B/06859D-12, MEP-5 Generator Set

3. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

4. TM 08761A-12/1, Digital Data Modem MD-1026(P)/G

5. TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC

6. TM 11-5810-262-12, TSEC/KY-58

7. TM 11-5810-329-10, Voice Terminal TSEC/KY-68

8. TM 11-5810-365-10, TSEC/KG-194

9. TM 11-5995-208-10, Operator's Manual for Cable Assembly

10. TM 5805-12/1, Multiplexer TD-1235(P)/TTC

11. TM 5805-12/2, Multiplexer TD-1236/G

12. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

TRAINING MATERIEL:

Appendix H to
ENCLOSURE (6)

1. * AN/TRC-170 (V)5

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TASK: 0623.03.02 (CORE) CONDUCT OE-468 ANTENNA SEARCH

CONDITION(S): Provided an installed AN/TRC-170(V)5, completed Crew Assignment Form, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adjust antenna for elevation while watching alignment meter.

2. Stop adjusting the antenna when the meter shows maximum signal strength.

3. Each station adjusts antenna for a specified time period until a signal is received.

4. Contact distant end on orderwire.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 05684C/05685B-12, MEP-3 Generator Set

3. TM 06858B/06859D-12, MEP-5 Generator Set

4. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

5. TM 08761A-12/1, Digital Data Modem MD-1026(P)/G

6. TM 09280A-14&P/1, Microwave Antenna Group OE-468/TRC

TRAINING MATERIEL:

1. * AN/TRC-170 (V)5

DUTY AREA 04 - VEHICLE OPERATIONS

TASK: 0623.04.01 (CORE) OPERATE M SERIES VEHICLE ON ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Perform Preventive Maintenance Checks and Services (PMCS).

2. Prepare operational forms and records.

3. Start the engine.

4. Select transmission and transfer case gear.

5. Place vehicle in motion for forward or reverse movement.

6. Comply with traffic regulations.

7. Stop the vehicle.

8. Stop the engine.

9. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

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TASK: 0623.04.02 (CORE) OPERATE M SERIES VEHICLE OFF ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Perform PMCS.

2. Prepare operational forms and records.

3. Start the engine.

4. Select transmission and transfer case gear.

5. Place vehicle in motion for forward or reverse movement.

6. Stop vehicle.

7. Stop engine.

8. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

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TASK: 0623.04.03 (CORE) OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

Appendix H to
ENCLOSURE (6)

PERFORMANCE STEPS:

    1. Maintain correct vehicle speed.

    2. Maintain correct vehicle interval.

    3. Observe safety precautions.

    4. Perform at-halt PMCS on equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. FM 21-305, Manual for Wheeled Vehicle Driver

    2. FMFM 4-9, Motor Transport

    3. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

    4. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

    5. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

    6. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

    7. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

    8. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

    9. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

    1. * M Series Vehicle

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TASK: 0623.04.04 (CORE) OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

    1. Operate vehicle at night with service lights.

    2. Operate in blackout conditions using blackout lights.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

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TASK: 0623.04.05 (CORE) PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES ON M SERIES VEHICLES

CONDITION(S): Provided with an operational M Series vehicle, required tools and equipment, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Perform before operations PMCS.

2. Perform during operations PMCS.

3. Perform after operation PMCS.

4. Perform weekly PMCS.

5. Perform monthly PMCS.

6. Maintain basic issue items.

7. Identify hazardous waste for disposal.

8. Perform PMCS on weapons mount.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. MCO 5100.25, Hazardous Material Information System

2. MCO P4790.2, MIMMS Field Procedures Manual

3. TM 1005-13&P, Maintenance for Weapons Mount to Tactical Vehicles

Appendix H to
ENCLOSURE (6)

   4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

   5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

   6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

   7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

   8. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

   9. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

   10. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

   11. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

   1. * M Series Vehicle

   2. Tools, as applicable

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TASK: 0623.04.06 (CORE PLUS) OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

   1. Operate the vehicle in extreme cold.

   2. Operate the vehicle in snow.

   3. Operate the vehicle in dusty, sandy areas.

   4. Operate the vehicle under rainy, humid conditions.

   5. Operate the vehicle in deep mud.

   6. Operate the vehicle in extreme heat.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Pvt

REFERENCE(S):

   1. FM 21-305, Manual for Wheeled Vehicle Driver

   2. FM 55-30, Army Motor Transport Units and Operations

   3. FMFM 4-9, Motor Transport

Appendix H to
ENCLOSURE (6)

4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

Appendix H to
ENCLOSURE (6)

MOS 0624, HIGH FREQUENCY COMMUNICATIONS CENTRAL OPERATOR

DUTY AREA 01 - COMMUNICATIONS INSTALLATION

For a complete MOS 0624 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0624.01.01 (CORE) INSTALL AN/TSC-120 COMMUNICATIONS CENTRAL

CONDITION(S): Provided an AN/TSC-120, planning documents, and references.

STANDARD(S): To prepare AN/TSC-120 for operation, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Site the AN/TSC-120.

    3. Ground the system.

    4. Install COMSEC.

    5. Connect cables.

    6. Assemble antenna system.

    7. Apply external power source.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 05684C/05685B-12, MEP-3 Generator Set

    3. TM 09589A-14&P/1, AN/TSC-120 Communications Central

    4. TM 097726A-13, LMM-9A/TSEC KY-99

    5. TM 11-5810-377-10, Operators Manual General Purpose Telegraph Encryption Equipment, TSEC/KG-84C

    6. TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

    7. TM 5-4120-383-14, Air Conditioner Horiz 9000 BTU/H

TRAINING MATERIEL:

    1. * AN/TSC-120 Communications Central

    2. Ground Stakes

DUTY AREA 02 - COMMUNICATIONS OPERATION

TASK: 0624.02.01 (CORE) OPERATE AN/TSC-120 COMMUNICATIONS CENTRAL

CONDITION(S): Provided an installed AN/TSC-120, callsign, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Apply power to the system.

    3. Verify system parameters.

    4. Conduct operational checks.

    5. Establish communications on the net.

    6. Troubleshoot problems.

    7. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 09589A-14&P/1, AN/TSC-120 Communications Central

    3. TM 097726A-13, LMM-9A/TSEC KY-99

    4. TM 11-5805-650-12, Telephone Set TA-838/TT, TA-838A/TT

    5. TM 11-5810-377-10, Operators Manual General Purpose Telegraph Encryption
    Equipment, TSEC/KG-84C

    6. TO 31W2-4-333-1, Signaling and Terminating Unit (STU-5M)

TRAINING MATERIEL:

    1. * AN/TSC-120 Communications Central

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TASK: 0624.02.02 (CORE) PREFORM PREVENTIVE MAINTENANCE (PM) ON AN/TSC-120
COMMUNICATIONS CENTRAL

CONDITION(S): Provided an AN/TSC-120, cleaning materials, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per
the references.

Appendix I to
ENCLOSURE (6)

PERFORMANCE STEPS:

1. Conduct Stock List-3 (SL-3) inventory.

2. Perform PM.

3. Check operation of equipment.

4. Complete equipment records.

5. Correct or submit, for maintenance, any discrepancies noted during operation.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4790.2, MIMMS Field Procedures Manual

2. SL-3-09589_, AN/TSC-120, Communications Central

3. TM 09589A-14&P/1, AN/TSC-120 Communications Central

4. TM 2320-10/6A, Truck Utility 1/4 Ton 4X4

5. TM 4700-15/1, Equipment Record Procedures

TRAINING MATERIEL:

1. * AN/TSC-120 Communications Central

2. * Cleaning Materials, as applicable

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TASK: 0624.02.03 (CORE PLUS) PERFORM OPERATOR CORRECTIVE MAINTENANCE ON AN/TSC-120

CONDITION(S): Provided an AN/TSC-120, appropriate tools, Built-In Test Equipment, On-Board Spares Kit, and references.

STANDARD(S): To return faulty AN/TSC-120 to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Identify fault status utilizing Computer Control Unit.

3. Diagnose a fault status utilizing Built-In Test Equipment.

4. Remove/Replace faulty module with on board spare as package.

5. Perform operational check to ensure equipment is fully operational.

Appendix I to
ENCLOSURE (6)

6. Submit faulty module to appropriate maintenance activity.

<u>INITIAL TRAINING SETTING:</u> MOJT Sustainment: 12 Req By: PFC

<u>REFERENCE(S):</u>

1. Applicable Technical Publications/Manuals

2. TM 09589A-14&P/1, AN/TSC-120 Communications Central

<u>TRAINING MATERIEL:</u>

1. * AN/TSC-120 Communications Central

2. Tools, as applicable

DUTY AREA 03 - VEHICLE OPERATIONS

TASK: 0624.03.01 (CORE) OPERATE M SERIES VEHICLE ON ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Perform Preventative Maintenance Checks and Services (PMCS).

2. Prepare operational forms and records.

3. Start the engine.

4. Select transmission and transfer case gear.

5. Place vehicle in motion for forward or reverse movement.

6. Comply with traffic regulations.

7. Stop the vehicle.

8. Stop the engine.

9. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

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TASK: 0624.03.02 (CORE) OPERATE M SERIES VEHICLE OFF ROAD

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

    1. Perform PMCS.

    2. Prepare operational forms and records.

    3. Start the engine.

    4. Select transmission and transfer case gear.

    5. Place vehicle in motion for forward or reverse movement.

    6. Stop vehicle.

    7. Stop engine.

    8. Complete operational forms and records.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. FM 21-305, Manual for Wheeled Vehicle Driver

    2. FM 55-30, Army Motor Transport Units and Operations

    3. FMFM 4-9, Motor Transport

    4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

    5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

    6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

    7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

    1. * M Series Vehicle

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TASK: 0624.03.03 (CORE) OPERATE M SERIES VEHICLE IN ADMINISTRATIVE MOVEMENT

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

Appendix I to
ENCLOSURE (6)

PERFORMANCE STEPS:

1. Maintain correct vehicle speed.

2. Maintain correct vehicle interval.

3. Observe safety precautions.

4. Perform at-halt PMCS on equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FMFM 4-9, Motor Transport

3. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

4. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

5. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

6. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

7. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

8. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

9. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

1. * M Series Vehicle

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TASK: 0624.03.04 (CORE) OPERATE M SERIES VEHICLE IN LIMITED VISION CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Operate vehicle at night with service lights.

2. Operate in blackout conditions using blackout lights.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

3. FMFM 4-9, Motor Transport

4. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

6. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1. * M Series Vehicle

2. * Night Service Lights

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TASK: 0624.03.05 (CORE) PERFORM PREVENTIVE MAINTENANCE CHECKS AND SERVICES ON M SERIES VEHICLES

CONDITION(S): Provided with an operational M Series vehicle, required tools and equipment, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Perform before operations PMCS.

2. Perform during operations PMCS.

3. Perform after operation PMCS.

4. Perform weekly PMCS.

5. Perform monthly PMCS.

6. Maintain basic issue items.

7. Identify hazardous waste for disposal.

8. Perform PMCS on weapons mount.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. MCO 5100.25, Hazardous Material Information System

2. MCO P4790.2, MIMMS Field Procedures Manual

Appendix I to
ENCLOSURE (6)

3. TM 1005-13&P, Maintenance for Weapons Mount to Tactical Vehicles

4. TM 4700-15/1H, Marine Corps Ground Equipment Record Procedures

5. TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

6. TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

7. TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

8. TM 9-2330-202-14&P, Trailer, Cargo 3/4 Ton, 2 Wheel

9. TM 9-2330-213-14&P, M103 Chassis, Trailer, 1 1/2 Ton, 2-Wheel

10. TM 9-2330-247-14&P, M353 Chassis, Trailer, 3 1/2 Ton, 2-Wheel

11. TM 9-2330-267-14&P, M149A/A1/A2 Trailer Tank Water, 1 1/2 Ton, 2-Wheel

TRAINING MATERIEL:

1. * M Series Vehicle

2. * Tools, as applicable

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TASK: 0624.03.06 (CORE PLUS) OPERATE M SERIES VEHICLE IN UNUSUAL CONDITIONS

CONDITION(S): Provided with an operational M Series vehicle and references.

STANDARD(S): To safely meet operational requirements with no injury to personnel or damage to equipment, per the references.

PERFORMANCE STEPS:

1. Operate the vehicle in extreme cold.

2. Operate the vehicle in snow.

3. Operate the vehicle in dusty, sandy areas.

4. Operate the vehicle under rainy, humid conditions.

5. Operate the vehicle in deep mud.

6. Operate the vehicle in extreme heat.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. FM 21-305, Manual for Wheeled Vehicle Driver

2. FM 55-30, Army Motor Transport Units and Operations

Appendix I to
ENCLOSURE (6)

3.   FMFM 4-9, Motor Transport

4.   TM 9-2320-260-10, Operator Manual for Trk 5 Ton, 6x6 M809 Series

5.   TM 9-2320-272-10, Operator Manual for M939 Series Vehicle

6.   TM 9-2320-280-10, Operator Manual for the 1 1/2 Ton M998

TRAINING MATERIEL:

1.   * M Series Vehicle

Appendix I to
ENCLOSURE (6)

<u>MOS 0626, FLEET SATCOM TERMINAL OPERATOR</u>

<u>DUTY AREA 01 - COMMUNICATIONS INSTALLATION</u>

For a complete MOS 0626 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

<u>TASK:</u> 0626.01.01 (CORE) INSTALL AN/TSC-96A SATELLITE COMMUNICATIONS (SATCOM) CENTRAL

<u>CONDITION(S):</u> Provided an AN/TSC-96, planning documents, and references.

<u>STANDARD(S):</u> To prepare AN/TSC-96A for operation, per the references.

<u>PERFORMANCE STEPS:</u>

   1. Adhere to all safety precautions.

   2. Site system.

   3. Ground the system.

   4. Connect data cables.

   5. Connect power cables.

   6. Install Environmental Control Units (ECU).

   7. Install COMSEC.

   8. Erect AV-1011 high gain SATCOM antenna.

   9. Apply power.

   10. Set frequency.

   11. Adjust/Operate components of the system to achieve maximum operating capability.

<u>INITIAL TRAINING SETTING:</u> FLC   Sustainment: 12   Req By: Pvt

<u>REFERENCE(S):</u>

   1. Applicable Technical Publications/Manuals

   2. TM 08166A-12, AN/TSC-96

<u>TRAINING MATERIEL:</u>

   1. * AN/TSC-96A Satellite Communications Central

   2. Av-1011 Antenna System

   3. Data Cables

   4. Environmental Control Units

   5.   Ground Stakes

   6.   Power Cables

   7.   Power Source, as applicable

DUTY AREA 02 - COMMUNICATIONS OPERATION

TASK: 0626.02.01 (CORE) OPERATE AN/TSC-96A SATELLITE COMMUNICATIONS (SATCOM) CENTRAL

CONDITION(S): Provided an installed AN/TSC-96A, planning documents, and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Conduct operational check.

3. Establish communication on the net.

4. Maintain communications.

5. Troubleshoot problems.

6. Perform operator level preventive maintenance.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ACP-131, Communications Instruction - Operating Procedures

3. TM 08166A-12, AN/TSC-96

TRAINING MATERIEL:

1. * AN/TSC-96A Satellite Communications Central

MOS 0627, GROUND MOBILE FORCES SATELLITE TERMINAL OPERATOR

DUTY AREA 01 - COMMUNICATIONS INSTALLATION

For a complete MOS 0627 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0627.01.01 (CORE) INSTALL AN/TSC-85B COMMUNICATIONS TERMINAL, SATELLITE

CONDITION(S): Provided an AN/TSC-85B, power source, COMSEC, and references.

STANDARD(S): To prepare AN/TSC-85B for operation, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Site the equipment.

    3. Ground equipment.

    4. Install COMSEC.

    5. Orient the azimuth to the correct satellite.

    6. Assemble antenna support structure.

    7. Assemble dish antenna.

    8. Install antenna cables.

    9. Connect power cables.

    10. Make final antenna adjustments.

    11. Install external user signal cables.

    12. Provide for local security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. ASC-1, GMFSC Operator Procedures

    3. ASC-2, GMFSC Anti-jam Operating Procedures

    4. ASC-3, GMFSC Management Policy and Procedures

    5. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

Appendix K to
ENCLOSURE (6)

6. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

7. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * AN/TSC-85B Ground Mobile Forces Satellite Communications Terminal

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TASK: 0627.01.02 (CORE) INSTALL AN/TSC-93B GROUND MOBILE FORCES (GMF) SATELLITE COMMUNICATIONS TERMINAL

CONDITION(S): Provided an AN/TSC-93B, power source, COMSEC, and references.

STANDARD(S): To prepare AN/TSC-93B for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Site the equipment.

3. Ground equipment.

4. Install COMSEC.

5. Orient the azimuth to the correct satellite.

6. Assemble antenna support structure.

7. Assemble dish antenna.

8. Install antenna cables.

9. Connect power cables.

10. Make final antenna adjustments.

11. Install external user signal cables.

12. Provide for local security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ASC-1, GMFSC Operator Procedures

3. ASC-2, GMFSC Anti-jam Operating Procedures

Appendix K to
ENCLOSURE (6)

4. ASC-3, GMFSC Management Policy and Procedures

5. TM 11-5895-1127-10, Operator's Manual for Satellite Communication Terminals AN/TSC-93B(V)1 and TSC-93B(V)2

TRAINING MATERIEL:

1. * AN/TSC-93B Ground Mobile Forces Satellite Communications Terminal

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TASK: 0627.01.03 (CORE) INSTALL KG-194A COMSEC EQUIPMENT

CONDITION(S): Provided a KG-194A, COMSEC, and references.

STANDARD(S): To prepare KG-194A for operation, per the references.

PERFORMANCE STEPS:

1. Connect KG-194A to designated equipment.

2. Apply power.

3. Load COMSEC.

4. Conduct operational check.

5. Perform updates, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. NTP-4, Naval Telecommunications Procedures/Fleet

3. TM 11-5810-365-10, TSEC/KG-194

4. TM 11-5810-365-23, TRNK ENCRYPT Device KG-94A/KG-194A

5. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

6. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

TRAINING MATERIEL:

1. * KG-194A

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TASK: 0627.01.04 (CORE) INSTALL KY-57/TSEC COMSEC EQUIPMENT

Appendix K to
ENCLOSURE (6)

CONDITION(S): Provided a KY-57/TSEC, COMSEC, and references.

STANDARD(S): To prepare KY-57/TSEC for operation, per the references.

PERFORMANCE STEPS:

    1.   Connect KY-57 to designated equipment.

    2.   Apply power.

    3.   Load COMSEC.

    4.   Conduct operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   NTP-4, Naval Telecommunications Procedures/Fleet

    3.   TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

    4.   TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

TRAINING MATERIEL:

    1.   * KY-57/TSEC

    2.   Power Source, as applicable

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TASK: 0627.01.05 (CORE) INSTALL EO-361 QUICK REACTION SATELLITE ANTENNA

CONDITION(S): Provided an OE-361 and references.

STANDARD(S): To prepare EO-361 for use, per the references.

PERFORMANCE STEPS:

    1.   Adhere to all safety precautions.

    2.   Site the equipment.

    3.   Orient the antenna.

    4.   Assemble the antenna support structure.

    5.   Assemble the dish antenna.

    6.   Erect antenna.

7. Make final antenna adjustments.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * OE-361

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TASK: 0627.01.06 (CORE) INSTALL AS-3036 SATELLITE ANTENNA

CONDITION(S): Provided an AS-3036 and references.

STANDARD(S): To prepare AS-3036 for use, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Site equipment.

3. Assemble antenna support structure.

4. Assemble dish antenna.

5. Erect the antenna.

6. Orient the antenna.

7. Make final antenna adjustments.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 11-5895-1127-10, Operator's Manual for Satellite Communication Terminals AN/TSC-93B(V)1 and TSC-93B(V)2

3. TM 11-5895-1128-10, Satellite Communication Terminal AN/TSC-85

4. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

5. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals

Appendix K to
ENCLOSURE (6)

AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

TRAINING MATERIEL:

    1. * AS-3036

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TASK: 0627.01.07 (CORE) INSTALL AN/TSC-154 TERMINAL, SATELLITE COMMUNICATION

CONDITION(S): Provided AN/TSC-154, power source, COMSEC, and reference.

STANDARD(S): To prepare AN/TSC-154 for operation, per the reference.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Site the equipment.

    3. Ground the equipment.

    4. Locate sighting points.

    5. Level support structure.

    6. Conduct powerup procedures.

    7. Deploy antenna.

    8. Install external user signal cables.

    9. Provide for local security.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * AN/TSC-154

    2. Power Source, as applicable

ADMINISTRATIVE INSTRUCTIONS: Include the SHF Tri-band Advanced Range Extention Terminal (STAR-T) AN/TSC-156 when fielded.

_____

TASK: 0627.01.08 (CORE PLUS) PERFORM PREVENTIVE MAINTENANCE (PM) ON GLOBAL MOBILE FORCE (GMF) TACTICAL SATELLITE (TACSAT) EQUIPMENT

CONDITION(S): Provided designated equipment, cleaning materials, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Conduct Stock List-3 (SL-3) inventory.

2. Perform PM.

3. Check operation of equipment.

4. Complete equipment records.

5. Prepare Equipment Repair Order/Equipment Repair Order Shopping List (ERO/EROSL).

6. Reconcile Daily Progress Report (DPR).

7. Report discrepancies.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: PFC

REFERENCE(S):

1. MCBUL 3000, Table MARES LOG Reportable Equipment

2. MCO P4790.2, MIMMS Field Procedures Manual

3. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

4. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

5. TM 11-5895-1434-34, Direct Support and General Support Maintenance Manual for Satellite Communication Terminal AN/TSC-93B(V)1

Appendix K to
ENCLOSURE (6)

DUTY AREA 02 - COMMUNICATIONS OPERATION

TASK: 0627.02.01 (CORE) OPERATE THE AN/TSC-85B TACTICAL SATELLITE TERMINAL

CONDITION(S): Provided an installed AN/TSC-85B and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Maintain proper ground equipment.

    3. Power-up shelter.

    4. Acquire satellite.

    5. Maintain circuit.

    6. Perform short term shutdown and startup.

    7. Perform troubleshoot equipment procedures.

    8. Power-down shelter.

    9. Perform operator level preventive maintenance, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5895-1128-10, Satellite Communication Terminal AN/TSC-85

    3. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

    4. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

    5. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

    1. * AN/TSC-85B Ground Mobile Forces Satellite Communications Terminal

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TASK: 0627.02.02 (CORE) OPERATE AN/TSC-93B TACTICAL SATELLITE TERMINAL

CONDITION(S): Provided an installed AN/TSC-93B and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Maintain proper ground equipment.

    3. Power-up shelter.

    4. Acquire satellite.

    5. Maintain circuit.

    6. Perform short term shutdown and startup.

    7. Perform troubleshoot equipment procedures.

    8. Power-down shelter.

    9. Perform operator level preventive maintenance, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5895-1127-10, Operator's Manual for Satellite Communication Terminals AN/TSC-93B(V)1 and TSC-93B(V)2

    3. TM 11-5895-1434-34, Direct Support and General Support Maintenance Manual for Satellite Communication Terminal AN/TSC-93B(V)1

    4. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

    1. * AN/TSC-93B Ground Mobile Forces Satellite Communications Terminal

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TASK: 0627.02.03 (CORE) OPERATE AN/TSC-154 COMMUNICATION TERMINAL, SATELLITE

CONDITION(S): Provided an installed AN/TSC-154 and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Maintain ground equipment.

3. Power-up shelter.

4. Acquire satellite.

5. Access designated net.

6. Maintain circuit.

7. Perform short term shutdown and startup.

8. Power down shelter.

9. Perform troubleshoot equipment procedures.

10. Perform preventive maintenance, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 11-5895-1128-10, Satellite Communication Terminal AN/TSC-85

3. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals
AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

4. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals
AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

5. TM 11-5985-372-13-1, Operator, Unit, Intermediate Direct Support Maintenance
Manual for Quick Reaction Satellite Antenna Group Single Carrier Feed OE-361(V)1/G

TRAINING MATERIEL:

1. * AN/TSC-154

ADMINISTRATIVE INSTRUCTIONS: Include the SHF Tri-band Advanced Range Extension Terminal
(STAR-T) AN/TSC-156 when fielded.

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TASK: 0627.02.04 (CORE) PERFORM ROUTINE CORRECTIVE MAINTENANCE ON AN/TSC-154 TERMINAL,
SATELLITE COMMUNICATION

CONDITION(S): Provided faulty equipment, proper tools, TMDE, and references.

STANDARD(S): To return faulty AN/TSC-154 terminal to a fully operational status, per
the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

Appendix K to
ENCLOSURE (6)

2. Use Built in Test Equipment (BITE).

3. Perform Built in Test (BIT).

4. Identify faulty component.

5. Open Equipment Repair Order (ERO).

6. Requisition repair parts.

7. Remove/Replace faulty component (utilize soldering skills where applicable).

8. Perform Quality assurance check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 4700-15/1, Equipment Record Procedures

3. TM 4790.2_, MIMMS Field Procedures Manual

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TASK: 0627.02.05 (CORE PLUS) PERFORM PREVENTIVE MAINTENANCE (PM) ON GLOBAL MOBILE FORCE (GMF) TACTICAL SATELLITE (TACSAT) ANTENNA

CONDITION(S): Provided designated antennas, cleaning materials, and references.

STANDARD(S): To maintain operability and identify corrective maintenance actions, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Conduct Stock List-3 (SL-3) inventory.

3. Ensure antenna is free of dirt, debris, rust, and corrosion.

4. Check operation of equipment.

5. Complete equipment records.

6. Prepare Equipment Repair Order/Equipment Repair Order Shopping List (ERO/EROSL).

7. Reconcile Daily Progress Report (DPR).

8. Report discrepancies.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: PFC

REFERENCE(S):

Appendix K to
ENCLOSURE (6)

1. Applicable Technical Publications/Manuals

2. TM 4700-15/1, Equipment Record Procedures

TRAINING MATERIEL:

1. Cleaning Materials, as applicable

2. * Global Mobile Force Tactical Satellite Antenna

MOS 0629, RADIO CHIEF

DUTY AREA 01 - COMMUNICATIONS PLANNING

For a complete MOS 0629 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0629.01.01 (CORE) DEVELOP SINGLE CHANNEL RADIO PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Determine single channel radio requirements.

2. Determine retransmission requirements.

3. Determine personnel and equipment requirements.

4. Determine capabilities.

5. Determine radio link reliability.

6. Plan Radio Wire Integration (RWI) operations.

7. Plan Electronic Remote Fill (ERF) update operations.

8. Determine battery requirements.

9. Determine the employment/deployment of personnel and equipment.

10. Determine antenna site.

11. Plot the point-to-point analysis.

12. Plot the profile analysis.

13. Plot the radio coverage analysis.

14. Draft the radio guard chart.

15. Draft the radio plan.

16. Submit draft for approval.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

Appendix L to
ENCLOSURE (6)

2.   Revised Battlefield Electronic Communication-Electronics Operating Instruction System

3.   System Planning, Engineering and Evaluation Device (SPEED) Software User's Manual

4.   FM 24-18, Tactical Single Channel Radio Communications Techniques

5.   MCWP 3-1, Ground Combat Operations

6.   MCWP 6-22, Communication and Information Systems

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TASK: 0629.01.02 (CORE) DEVELOP MULTICHANNEL RADIO PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1.   Determine equipment and personnel requirements.

2.   Determine capabilities.

3.   Determine the employment/deployment of personnel and equipment.

4.   Coordinate channelization with wire plan.

5.   Determine antenna site.

6.   Plot the point-to-point analysis.

7.   Plot the profile analysis.

8.   Submit draft for approval.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: SSgt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

2.   System Planning, Engineering and Evaluation Device (SPEED) Software User's Manual

3.   MCWP 6-22, Communication and Information Systems

4.   TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

5.   TM 09543A-12, AN/MRC-142 Radio Terminal Set

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TASK: 0629.01.03 (CORE) DEVELOP SHF/UHF/EHF SATELLITE COMMUNICATIONS PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Determine the requirements.

2. Determine capabilities.

3. Recommend the link responsibility.

4. Prepare a satellite termination request to designated Naval Computer and Telecommunications Area Master Station/Naval Communications Station (NCTAMS/NAVCOMSTA), as required.

5. Draft a gateway access request (GAR) for SHF/GMF/EHF Defense Communications System (DCS), as required.

6. Draft a Satellite Access Request (SAR) to designated geographic Regional Space Support Center (RSSC), as required.

7. Review the Satellite Access Authorization (SAA).

8. Submit plan for approval.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. DISANMOC CONNEX Plan

3. System Planning, Engineering and Evaluation Device (SPEED) Software User's Manual

4. DCA CIRC 800-70-1, Operation and Control of the Defense Satellite Communications System

5. FSCS-200-83-1, Navy UHF Satellite Communications System Description

6. NSHFC 301, Navy SHF Satellite Communications System Description

7. TM 08347A/08348A, Ground Mobile Forces Satellite Communications System

8. TM 2000-15/2, Principle Techncial Characteristics of U.S. Marine Corps Communications Electronic Equipment

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TASK: 0629.01.04 (CORE) CONDUCT PROPAGATION PREDICTION

CONDITION(S): Provided appropriate planning tools and references.

STANDARD(S): To ensure reliable, secure and flexible communication, per the references.

PERFORMANCE STEPS:

1. Place units on the path profiler map to support the radio net.

2. Evaluate path reliability.

3. Produce a frequency predictions report.

4. Produce a signal-to-noise ratio report.

5. Produce a path profiler contour map.

6. Select optimum frequencies for a 72-hour period from the propagation chart.

7. Perform automatic link establishment to find the best radio transmission path.

8. Submit frequency request.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ECAC-UM-90-060

3. System Planning, Engineering and Evaluation Device (SPEED) Software User's Manual

4. ECAC-CR-82-125, HF Predictions Manual

5. TM 09589A-14&P/1, AN/TSC-120 Communications Central

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TASK: 0629.01.05 (CORE) DRAFT SATELLITE ACCESS REQUEST

CONDITION(S): Provided a requirement and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Identify support organizations.

2. Identify termination requirements.

3. Establish liason with supporting organizations.

Appendix L to
ENCLOSURE (6)

4. Draft the request.

5. Submit request.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. DISANMOC CONNEX Plan

3. ASC-1, GMFSC Operator Procedures

4. ASC-2, GMFSC Anti-jam Operating Procedures

5. ASC-3, GMFSC Management Policy and Procedures

6. MOP 178, Joint Chiefs of Staff Maintenance Operating Plan

7. NTP-4, Naval Telecommunications Procedures/Fleet

TASK: 0629.01.06 (CORE PLUS) SELECT RADIO SYSTEMS SITE

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Conduct map/terrain analysis.

2. Determine requirements.

3. Determine path resistance.

4. Determine altitude of plotted grid coordinates.

5. Identify all natural and manmade obstacles.

6. Select a suitable site.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

ADMINISTRATIVE INSTRUCTIONS: Add radios.

Appendix L to
ENCLOSURE (6)

TASK: 0629.01.07 (CORE PLUS) PLAN INTEGRATION OF ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS)

CONDITION(S): Provided concept of operations, Commander's intent, and references.

STANDARD(S): To ensure integratation of EPLRS Net Control Station into a Marine Air Ground Task Force or Joint Command and Control Network, per the references.

PERFORMANCE STEPS:

1. Analyze concept of operations and Commander's intent.

2. Consolidate user requirements.

3. Plan for EPLRS equipment siting and installation.

4. Identify transmission requirements.

5. Coordinate EPLRS radio requirements.

6. Request EPLRS frequencies for Position Location and Identification and Data communications nets.

7. Draft the plan.

8. Submit the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

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TASK: 0629.01.08 (CORE PLUS) PLAN FLEET SATELLITE COMMUNICATIONS (SATCOM) LINK

CONDITION(S): Provided a mission, satellite overlays, frequency plan, Common User Digital Information Exchange System (CUDIXS) support for general message traffic, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Analyze mission.

2. Develop link design plan.

3. Assign personnel.

4. Draft Term Request.

Appendix L to
ENCLOSURE (6)

 5. Submit the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

 1. FTP PAC/IO, INST 2000.1C

 2. MCRP 6-22_, Radio Operator's Handbook

 3. NTP-4, Naval Telecommunications Procedures/Fleet

 4. TM 08166A-12, AN/TSC-96

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TASK: 0629.01.09 (CORE PLUS) PLAN FLEET SATELLITE COMMUNICATIONS (SATCOM) FOR MARINE AIR GROUND TASK FORCE (MAGTF)

CONDITION(S): Provided a mission, topographical map(s) of the area, Commander's guidance, Annex K, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

 1. Analyze mission.

 2. Develop system design plan.

 3. Develop engineering criteria.

 4. Request/Receive frequency/channel authorizations.

 5. Request/Receive frequency/channel authorizations.

 6. Draft the plan.

 7. Submit the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

 1. FTP PAC/IO, INST 2000.1C

 2. MCRP 6-22_, Radio Operator's Handbook

 3. TM 08166A-12, AN/TSC-96

TRAINING MATERIEL:

 1. Topographic Map

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TASK: 0629.01.10 (CORE PLUS) PLAN FOR GLOBAL MOBILE FORCE (GMF) SATELLITE
COMMUNICATIONS (SATCOM)

CONDITION(S): Provided a mission, Commander's guidance, Annex K, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the
references.

PERFORMANCE STEPS:

   1. Analyze mission.

   2. Develop link design plan.

   3. Develop engineering criteria.

   4. Request/Receive frequency/channel authorization.

   5. Prepare instructions and information on installation, operation, and maintenance
   of the link.

   6. Submit the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

   1. ASC-1, GMFSC Operator Procedures

   2. ASC-2, GMFSC Anti-jam Operating Procedures

   3. ASC-3, GMFSC Management Policy and Procedures

   4. MCWP 6-22, Communication and Information Systems

   5. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals
   AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

   6. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals
   AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

   7. TM 11-5895-1434-34, Direct Support and General Support Maintenance Manual
   for Satellite Communication Terminal AN/TSC-93B(V)1

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TASK: 0629.01.11 (CORE PLUS) PREPARE CREW ASSIGNMENT WORKSHEET FOR AN/TRC-170(V)5

CONDITION(S): Provided a Crew Assignment Worksheet, planning document, and references.

STANDARD(S): To ensure continual and reliable communication, per the references.

PERFORMANCE STEPS:

Appendix L to
ENCLOSURE (6)

1. Obtain required data.

2. Complete crew assignment worksheet.

3. Submit worksheet for approval.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 08658A-14/1, Radio Terminal Set, AN/TRC-170(V)5

Appendix L to
ENCLOSURE (6)

DUTY AREA 02 - COMMUNICATIONS INSTALLATION

TASK: 0629.02.01 (CORE) SUPERVISE SINCGARS NET CONTROL FUNCTIONS

CONDITION(S): Provided equipment, planning documents, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Supervise the transfer of partial Communications Security/Frequency Hopping (COMSEC/FH) data, Ancillary Device (ANCD) to ANCD.

2. Supervise the transfer of selected Special Operating Instructions (SOI) information, ANCD to ANCD.

3. Supervise the conduct of a hot start net opening.

4. Supervise the conduct of a cold start net opening.

5. Supervise the conduct of a net Identification (ID) change, when directed.

6. Supervise the conduct of Electronic Remote Fill (ERF) updates, when directed.

7. Supervise retransmission operations.

8. Supervise the conduct of radio procedures on any given radio net.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ACP-125, Communications Instruction for Radio Telephone Procedures

3. ACP-131, Communications Instruction - Operating Procedures

4. FM 24-18, Tactical Single Channel Radio Communications Techniques

5. MCWP 6-22, Communication and Information Systems

6. TM 11-5820-890-10-1, Operator Manual for SINCGARS Ground Combat Net Radio

7. TM 11-5820-890-10-6, SINCGARS ICOM Ground Radios Used With Automated Net Control Device (ANCD) AN/CYZ-10

8. TM 11-5820-890-10-7, Net Control Station (NCS) Pocket Guide

TRAINING MATERIEL:

1. AN/MRC-110A Radio Terminal Set

Appendix L to
ENCLOSURE (6)

2. AN/PRC-119A Radio Set

TASK: 0629.02.02 (CORE PLUS) SUPERVISE INSTALLATION OF FIELD EXPEDIENT ANTENNAS

CONDITION(S): Provided link requirements, materials, assigned radio, frequency, tools, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety procedures.

2. Ensure correct length of antenna.

3. Ensure required materials are collected.

4. Supervise construction of the antenna.

INITIAL TRAINING SETTING: FLC Sustainment: 24 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. AFCS 100-16, High Frequency Radio Communications in a Tactical Environment

3. ECAC-CR-83-200, Field Antenna Handbook

4. FM 11-497-1, Standard Installation Practices HF Radio Communications Systems

5. FM 11-65, High Frequency Radio Communications

6. FM 24-18, Tactical Single Channel Radio Communications Techniques

7. MCRP 6-22_, Radio Operator's Handbook

8. TM 11-455, Radio Fundamentals

9. USAF CED 2300, Radio Communications Systems Planning

ADMINISTRATIVE INSTRUCTIONS: This task applies to constructing field expedients for the following antennae:

1. Vertical Whip.
2. Full Wave Dipole.
3. Half Wave Dipole.
4. Quarter Wave Dipole.
5. Inverted Vee.
6. Long Wire.
7. Inverted l.
8. Sloping Vee.

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9. Sloping Wire.
10. Vertical Half Rhombic.
11. Yagi.
12. Terminated Sloping Vee.
13. Sloping Ling Wire.
14. Jumpered Dipole.
15. Multiple Doublet.
16. Crossed Dipole.

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TASK: 0629.02.03 (CORE PLUS) SUPERVISE INSTALLATION OF (HF/VHF/UHF/SHF/EHF) RADIO SYSTEMS

CONDITION(S): Provided radio system, planning documents, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Ensure adherence to all safety precautions.

    2. Determine installation requirements.

    3. Assign tasks to personnel.

    4. Inspect installation procedures.

    5. Correct discrepancies.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. MCWP 6-22, Communication and Information Systems

    3. NTP-4, Naval Telecommunications Procedures/Fleet

    4. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

    5. TM 11-5895-1433-12-1, Vol I, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Operation and Maintenance

    6. TM 11-5895-1433-12-2, Vol II, Satellite Communications Terminals AN/TSC-85B(V)1, AN/TSC-85B(V)2, Organizational Maintenance

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TASK: 0629.02.04 (CORE PLUS) SUPERVISE EXECUTION OF RADIO COMMUNICATION PLAN

CONDITION(S): Provided equipment, personnel, planning documents, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety precautions.

2. Supervise transportation/embarkation of equipment and personnel.

3. Supervise the employment/deployment of the radio systems and personnel

4. Supervise installation of the radio systems.

5. Supervise operation of radio system.

6. Enforce Communicaions Security (COMSEC) procedures.

7. Enforce Electronic Protection (EP) procedures.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. FM 24-18, Tactical Single Channel Radio Communications Techniques

4. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: This task applies to all equipment and procedures required in the task of duty area 1.

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MOS 0648, RADIO FREQUENCY MANAGEMENT TECHNICIAN

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS OPERATION

Note: MOS 0648 is an additonal MOS, assigned to qualified Marines with a primary MOS of 0621 and 0629. For a complete MOS 0648 task list, include the Marine's primary MOS tasks.

TASK: 0648.01.01 (CORE) PERFORM FREQUENCY MANAGEMENT

CONDITION(S): Provided frequency management tools, planning documents, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Determine frequency requirements.

2. Request frequencies.

3. Evaluate Electromagnetic Capability (EMC) implications and electromagnetic radiation hazards in all frequency allocation and assignment requests.

4. Manage assigned frequencies.

5. Maintain all frequency files and supporting documents.

6. Conduct periodic and 5 and 10 year review of the Frequency Resource Records System (FRRS) data base (assignments).

7. Request satellite access/clearance.

8. Coordinate cellular, trunking, and land mobile systems.

9. Conduct Joint Spectrum Interface Resolution program functions.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ECAC-UM-90-060

3. NTIA Manual

4. Spectrum Management Manual in the European Theater

5. MCO 2400.2, USMC Mgmt of Radio Frequency Spectrum

6. MCO 2410.2_, Electromagnetic Environmental Effects (E3) Control Program

7. MCRP 3-22_, Spectrum Management

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8. MCWP 6-22, Communication and Information Systems

9. NAVSEA OP 3565, Electromagnetic Radiation Hazards to Ordnance (HERO)

10. NTP-6, Spectrum Management Manual

11. OPNAVINST 2400.20, Navy Management of the Radio Frequency Spectrum

12. USCINCPACINST 2400.1, Spectrum Management Manual

ADMINISTRATIVE INSTRUCTIONS: Create DBMS access.

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TASK: 0648.01.02 (CORE) PERFORM ADMINISTRATIVE FREQUENCY MANAGEMENT PROCEDURES

CONDITION(S): Provided frequency management tools, planning documents, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Draft frequency management desktop procedure.

2. Maintain automated data bases for command/area.

3. Maintain liaison with other frequency management agencies.

4. Advise communications personnel/staff on all frequency management matters.

5. Maintain JF-12 (DD Form 1494) documentation files.

6. Conduct classes on frequency management/usage for subordinate commands.

7. Create Communication-Electronics Operating Instructions (CEOI) in support of local exercises.

8. Maintain master net list.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Software Manuals for Automated Frequency Manager Tools

2. Applicable Technical Publications/Manuals

3. NTIA Manual

4. MCO 2400.2, USMC Mgmt of Radio Frequency Spectrum

5. NAVSEA OP 3565, Electromagnetic Radiation Hazards to Ordnance (HERO)

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ENCLOSURE (6)

6. TM 11-7010-263-138P, Revised Battlefield Electronic System and Revised Support Software

ADMINISTRATIVE INSTRUCTIONS:

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MOS 0651, INFORMATION SYSTEMS SPECIALIST

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT INSTALLATION

For a complete MOS 0651 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0651.01.01 (CORE) CONNECT SECURE TELEPHONE UNIT TO COMPUTER

CONDITION(S): Provided a secure phone, required cables, computer, and references.

STANDARD(S): To prepare Secure Telephone Unit for operation, per the references.

PERFORMANCE STEPS:

   1. Site the equipment.

   2. Connect secure telephone cable to computer.

   3. Configure secure telephone, as required.

   4. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. STU-III/SECTEL User's Guide

   3. TM 11-5810-329-10, Voice Terminal TSEC/KY-68

TRAINING MATERIEL:

   1. KY-68

   2. STE

   3. STU-III

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TASK: 0651.01.02 (CORE) INSTALL END-USER EQUIPMENT

CONDITION(S): Provided equipment, power source, software, planning documents, and reference.

STANDARD(S): To prepare End-User Equipment for operation, per the reference.

PERFORMANCE STEPS:

   1. Adhere to all safety precautions.

    2. Site the equipment.

    3. Connect network cable.

    4. Power up system.

    5. Configure software.

    6. Install appropriate Marine Corps authorized software.

    7. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. Power Source, as applicable

    2. Software

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TASK: 0651.01.03 (CORE) INSTALL SERVER

CONDITION(S): Provided a server, power source, planning documents, software, and references.

STANDARD(S): To prepare server for operation, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Configure system to meet requirements.

    3. Site the equipment.

    4. Ground equipment.

    5. Connect network cable.

    6. Power-up system.

    7. Perform operational check.

    8. Install software.

    9. Configure server.

    10. Troubleshoot, as required.

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INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. FMFM 3-3_, Guide to Electromagnetic Interference Control

TRAINING MATERIEL:

   1. Computer Suite

   2. Power Source, as applicable

   3. Servers

   4. Software

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TASK: 0651.01.04 (CORE) INSTALL COMSEC EQUIPMENT

CONDITION(S): Provided equipment, planning documents, and references.

STANDARD(S): To prepare COMSEC equipment for operation, per the references.

PERFORMANCE STEPS:

   1. Adhere to all safety precautions.

   2. Site equipment.

   3. Install COMSEC.

   4. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. SOP, UNIT

   3. CMS-1_, COMSEC Material System Policy & Procedures Manual

TRAINING MATERIEL:

   1. Software

ADMINISTRATIVE INSTRUCTIONS: CMS-1 contains security and storage requirements for cryptographic material and equipment.

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ENCLOSURE (6)

TASK: 0651.01.05 (CORE) INSTALL OPERATING SYSTEMS

CONDITION(S): Provided equipment, software, planning documents, and references.

STANDARD(S): To prepare operating systems for operation, per the references.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Determine system configuration requirements.

    3. Prepare system for installation as required.

    4. Install software.

    5. Configure software.

    6. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. KG-84

    2. KY-57 Vinson/VHF/FM/UHF

    3. KY-68

    4. Software

ADMINISTRATIVE INSTRUCTIONS: Current/Future operating systems.

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TASK: 0651.01.06 (CORE) INSTALL PERIPHERAL EQUIPMENT

CONDITION(S): Provided equipment, planning documents, and reference.

STANDARD(S): To prepare peripheral equipment for operation, per the reference.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Site equipment.

    3. Connect equipment.

    4. Configure equipment.

5. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

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TASK: 0651.01.07 (CORE PLUS) INSTALL ELECTRONIC MESSAGE SYSTEM

CONDITION(S): Provided equipment, software, planning documents, and references.

STANDARD(S): To prepare electronic message system for operation, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Site equiment.

3. Install software.

4. Configure software.

5. Add recipient containers.

6. Configure profiles as required.

7. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Computer Suite

2. Software

_____

TASK: 0651.01.08 (CORE PLUS) INSTALL UNIX OPERATING SYSTEM

CONDITION(S): Provided system manuals, a workstation, operating software release media, and references.

STANDARD(S): To prepare UNIX operating system for operation, per the references.

PERFORMANCE STEPS:

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ENCLOSURE (6)

1. Determine system configuration requirements.

2. Boot the system using UNIX release media.

3. Load required components.

4. Modify UNIX configuration files, as required.

5. Configure the UNIX platform, as required.

6. Verify operating environment log files.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Software

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS OPERATION

TASK: 0651.02.01 (CORE) OPERATE ELECTRONIC DATA FILE TRANSFER SYSTEM

CONDITION(S): Provided a data file transfer system and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

1. Establish appropriate records/logs/files.

2. Verify data transfer protocol.

3. Verify interface connections.

4. Verify settings.

5. Verify COMSEC.

6. Troubleshoot, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. STU-III/SECTEL User's Guide

3. TM 09150A-15, FMF EUCE Combined User and Computer Operation Manual

TRAINING MATERIEL:

1. Computer Suite

2. Software

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TASK: 0651.02.02 (CORE) OPERATE A SERVER ON DATA COMMUNICATION NETWORK

CONDITION(S): Provided an installed server and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

1. Conduct system start-up/shut-down.

2. Log in to server.

3. Change password, as required.

4. Change file permissions, as required.

5. Manage user accounts, as required.

6. Configure operating system.

7. Employ network operating system (NOS) utilities.

8. Troubleshoot, as required.

9. Log-out of the server.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. UNIX Operating System Manual

TRAINING MATERIEL:

1. Computer Suite

2. Servers

3. Software

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TASK: 0651.02.03 (CORE) DRAFT SERVICE MESSAGE

CONDITION(S): Provided an original message requiring service and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

1. Sight original message.

2. Draft service message.

3. Submit draft to supervisor.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Distribution Plain Language Verification System (DPVS) Manual

3. ACP-131, Communications Instruction - Operating Procedures

4. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

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5. NAVMC 2800, Joint User's Handbook for Message Text Format (JUHMTF)

6. NTP-3, Plain Language Address Directory (PLAD)

TRAINING MATERIEL:

1. Computer Suite

2. Servers

3. Software

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TASK: 0651.02.04 (CORE PLUS) PROCESS MESSAGE TRAFFIC

CONDITION(S): Provided a fully operational system, planning documents, and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

1. Interface the gate-guard for organizational use-to-send or use-to-receive message traffic.

2. Operate Mode-I and Mode-II terminals.

3. Update/Maintain distributed plain language address verification systems.

4. Operate message routing system for organizational use-to-send or receive message traffic.

5. Operate message distribution terminal for organizational use-to-send or receive message traffic.

6. Operate message editor program.

7. Operate the message system for organizational use-to-send and receive messages.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

1. Distribution Plain Language Verification System (DPVS) Manual

2. ACP-117, CAN-US SUPP 1 (K), Allied Routing Indicator Book (Section I & II)

3. ACP-121, Communications Instructions - General

4. ACP-122, Communications Instruction - Security

5. ACP-126, Communications Instruction - Teletypewriter

6. FM 24-17, Tactical Record Traffic Systems

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ENCLOSURE (6)

7. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

8. NAVMC 2800, Joint User's Handbook for Message Text Format (JUHMTF)

9. NTP-3, Plain Language Address Directory (PLAD)

10. NTP-4, Naval Telecommunications Procedures/Fleet

TRAINING MATERIEL:

1. Cable Reels

2. Computer Suite

3. Servers

4. Software

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TASK: 0651.02.05 (CORE PLUS) HANDLE MESSAGE TRAFFIC

CONDITION(S): Provided a message and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

1. Receive message.

2. Determine handling procedures.

3. Take required action.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ACP-117, CAN-US SUPP 1 (K), Allied Routing Indicator Book (Section I & II)

3. ACP-121, Communications Instructions - General

4. ACP-122, Communications Instruction - Security

5. ACP-126, Communications Instruction - Teletypewriter

6. ACP-131, Communications Instruction - Operating Procedures

7. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

8. NTP-3, Plain Language Address Directory (PLAD)

    9. NTP-4, Naval Telecommunications Procedures/Fleet

TRAINING MATERIEL:

    1. Computer Suite

    2. Servers

    3. Software

TASK: 0651.02.06 (CORE PLUS) OPERATE UNIX OPERATING SYSTEM

CONDITION(S): Provided an installed UNIX operating system and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

    1. Conduct system start-up/shut-down.

    2. Log in to the workstation.

    3. Change password, as required.

    4. Invoke on-line manual pages.

    5. Edit a file using an editor.

    6. Print a file.

    7. Invoke input/output redirection.

    8. Change file permissions.

    9. Log out of the workstation.

    10. Employ UNIX file utilities.

    11. Employ UNIX communication utilities.

    12. Employ diagnostic utilities.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. Computer Suite

    2. Servers

3. Software

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TASK: 0651.02.07 (CORE PLUS) OPERATE DEFENSE MESSAGE SYSTEM (DMS)

CONDITION(S): Provided an operational UNIX system and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

1. Administer Mail List Agent (MLA).

2. Administer Profiling User Agent (PUA).

3. Administer Directory Servicing Agent (DSA).

4. Administer Management Workstation (MWS).

5. Configure MLA.

6. Configure PUA.

7. Configure DSA.

8. Configure MWS.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Computer Suite

2. Servers

3. Software

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TASK: 0651.02.08 (CORE PLUS) PERFORM OPERATOR/MAINTAINER PROCEDURES FOR AN/MSC-63A
COMMUNICATION CENTRAL

CONDITION(S): Provided an operational AN/MSC-63A, planning documents, and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

1. Activate system.

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2. Create message.

3. Edit message.

4. Send/Receive message traffic.

5. Identify traffic flow.

6. Perform function commands.

7. Troubleshoot, as required.

INITIAL TRAINING SETTING: MOJT   Sustainment: 6   Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. ACP-117, CAN-US SUPP 1 (K), Allied Routing Indicator Book (Section I & II)

3. ACP-121, Communications Instructions - General

4. ACP-122, Communications Instruction - Security

5. ACP-126, Communications Instruction - Teletypewriter

6. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

7. NTP-4, Naval Telecommunications Procedures/Fleet

TRAINING MATERIEL:

1. AN/MSC-63A Communications Central

2. Computer Suite

3. Software

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ENCLOSURE (6)

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0651.03.01 (CORE) MANAGE LOCAL AREA NETWORK (LAN) SERVICES

CONDITION(S): Provided an installed and operational LAN and references.

STANDARD(S): To provide reliable, fast and secure communication, per the references.

PERFORMANCE STEPS:

    1.   Administer user accounts.

    2.   Administer services.

    3.   Administer service operations.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   SOP, UNIT

TRAINING MATERIEL:

    1.   Computer Suite

    2.   Servers

    3.   Software

_____

TASK: 0651.03.02 (CORE) UPGRADE HARDWARE

CONDITION(S): Provided equipment, planning documents and references.

STANDARD(S): To maintain operational status, per the references.

PERFORMANCE STEPS:

    1.   Adhere to all safety precautions.

    2.   Open equipment repair order.

    3.   Replace units, as required.

    4.   Perform operational check.

    5.   Close equipment repair order.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

   2.   MCO P4790.2, MIMMS Field Procedures Manual

   3.   TM 4700-15/1, Equipment Record Procedures

   4.   UM 4790-5, MIMMS (AIS) FMSS

TRAINING MATERIEL:

   1.   Computer Suite

   2.   Software

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TASK: 0651.03.03 (CORE PLUS) MAINTAIN AUTHORIZED SOFTWARE

CONDITION(S): Provided an installed End-User Computer, authorized software, and references.

STANDARD(S): To ensure operation of software, per the references.

PERFORMANCE STEPS:

   1.   Backup data files.

   2.   Troubleshoot/Resolve software problems, as required.

   3.   Upgrade software, as required.

   4.   Recover data files, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: PFC

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

TRAINING MATERIEL:

   1.   Computer Suite

   2.   Software

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TASK: 0651.03.04 (CORE PLUS) PERFORM LIMITED TECHNICAL INSPECTION (LTI) ON COMPUTER EQUIPMENT

CONDITION(S): Provided equipment, LTI checklist, ERO, and references.

STANDARD(S): To ensure equipment is operational, per the references.

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ENCLOSURE (6)

PERFORMANCE STEPS:

    1. Open Equipment Repair Order (ERO).

    2. Determine requirements of the LTI.

    3. Follow the LTI checklist.

    4. Inspect the equipment.

    5. Complete the checklist.

    6. Record the results.

    7. Evacuate to higher echelon, as required.

    8. Close the ERO.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: LCpl

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. Consolidated Memorandum Receipt (CMR)

    3. MCO 4400.82, MIMMS Controlled Item Management Manual

    4. MCO P4790.2, MIMMS Field Procedures Manual

    5. UNIT TO/E, Table of Organization/Equipment

TRAINING MATERIEL:

    1. Computer Suite

    2. Software

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ENCLOSURE (6)

MOS 0659, INFORMATION SYSTEMS CHIEF

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

For a complete MOS 0659 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0659.01.01 (CORE) DEVELOP INFORMATION SYSTEMS PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

   1.   Review planning documents.

   2.   Determine hardware and software requirements.

   3.   Determine hardware and software capabilities.

   4.   Prioritize installation of services.

   5.   Identify shortfalls.

   6.   Draft information systems plan.

   7.   Submit plan for review.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

   2.   SOP, UNIT

   3.   MCWP 3-1, Ground Combat Operations

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TASK: 0659.01.02 (CORE) DRAFT EMERGENCY ACTION PLAN (EAP)

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

   1.   Analyze requirement.

   2.   Consider types of emergencies.

3. Consider threats for hostile action emergencies.

4. Evaluate emergency destruction factors.

5. Consider emergency planning measures.

6. Determine destruction methods required for specific materials.

7. Submit EAP to Commander for signature.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. NTP-4, Naval Telecommunications Procedures/Fleet

3. OPNAVINST 5605, Physical Security

4. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

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TASK: 0659.01.03 (CORE) DRAFT COMMUNICATIONS GUARD SHIFT

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure continual and effective security, per the references.

PERFORMANCE STEPS:

1. Determine addresses.

2. Establish liaison with action addressees.

3. Determine effective start and termination times.

4. Determine guard list requirements.

5. Determine general message requirements.

6. Determine special cross service/allied procedures per local SOP.

7. Draft appropriate communications guard shift.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. SOP, UNIT TRAINING

2. ACP-126, Communications Instruction - Teletypewriter

3. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

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ENCLOSURE (6)

4. NTP-4, Naval Telecommunications Procedures/Fleet

5. NWP-11, Naval Operational Planning

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TASK: 0659.01.04 (CORE) PLAN ELECTRONIC DATA FILE TRANSFER SYSTEM

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Plan equipment configuration.

2. Draft point-to-point data exchange diagram.

3. Determine subscriber needs.

4. Determine software requirements.

5. Determine equipment and personnel requirements.

6. Determine adequate software availability.

7. Determine COMSEC requirements.

8. Determine terminal equipment interface requirements.

9. Plan for alternate route procedures.

10. Submit plan to higher headquarters.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. TM 09090A-12/1, Operator and Organizational Maintenance for Advanced Narrow Band Digital Voice Terminal

3. TM 09150A-15, FMF EUCE Combined User and Computer Operation Manual

ADMINISTRATIVE INSTRUCTIONS: VHF/UHF/HF/TACSAT/KY-68/DSVT/INMARSAT.

_____

TASK: 0659.01.05 (CORE) PLAN MESSAGING INTEROPERABILITY

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Determine personnel requirements.

    2. Determine terminal equipment to be used.

    3. Determine equipment compatibility.

    4. Determine COMSEC requirements.

    5. Identify internal equipment settings to be used.

    6. Identify external equipment settings to be used.

    7. Determine Baud rate to be used.

    8. Establish PLAs.

    9. Submit communication guard shift.

    10. Identify type of modem and modem settings.

    11. Develop system design based on equipment/circuit compatibility.

    12. Identify power requirements.

    13. Identify battery requirements.

    14. Determine message delivery media (i.e., diskette, LAN).

    15. Determine logistic support requirements.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1. DCAOC CONEX Plan (C)

    2. Software User's Manual for the Communications Central AN/MSC-63A Ver 3.0 Vol 1 + 2

    3. USMC Concept of Operation for the AN/MSC-63A

    4. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

    5. TM 07737B-10/1, Systems Operation Manual, Communications Central AN/MSC-63

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

TASK: 0659.02.01 (CORE) SUPERVISE INSTALLATION OF MESSAGE DISTRIBUTION SYSTEMS

CONDITION(S): Provided personnel, equipment, planning documents, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Ensure adherence to all safety requirements.

    2. Determine requirements.

    3. Supervise implementation of records/logs/files/personnel access.

    4. Supervise the installation of equipment.

    5. Supervise COMSEC implementation.

    6. Inspect terminal equipment interface for correct installation and grounding.

    7. Ensure PLA/directory database is updated.

    8. Ensure activation of circuits per planning documents.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. MCWP 6-22, Communication and Information Systems

    3. NTP-3, Plain Language Address Directory (PLAD)

    4. NTP-4, Naval Telecommunications Procedures/Fleet

TRAINING MATERIEL:

    1. Computer Suite

    2. Servers

    3. Software

TASK: 0659.02.02 (CORE) SUPERVISE INSTALLATION OF INFORMATION SYSTEMS

CONDITION(S): Provided, equipment, personnel, planning documents, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the

Appendix O to
ENCLOSURE (6)

references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety requirements.

2. Site equipment.

3. Supervise implementation of records/logs/equipment, as required.

4. Supervise installation of hardware and software.

5. Supervise COMSEC installation.

6. Review installation to ensure adherence to planning documents.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

TRAINING MATERIEL:

1. Computer Suite

2. Servers

3. Software

_____

TASK: 0659.02.03 (CORE) SUPERVISE INFORMATION SYSTEMS CONFIGURATION MANAGEMENT

CONDITION(S): Provided information systems, upgrades, personnel, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Supervise adherence to all safety precautions.

2. Determine required hardware/software upgrades.

3. Schedule system nonavailability.

4. Prepare recovery plan.

5. Direct system upgrades.

6. Ensure system operational check is completed.

7. Ensure documentation is completed.

<u>INITIAL TRAINING SETTING:</u>   FLC   Sustainment: 12   Req By: SSgt

<u>REFERENCE(S):</u>

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

<u>TRAINING MATERIEL:</u>

1. Computer Suite

2. Servers

3. Software

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

TASK: 0659.03.01 (CORE) SUPERVISE OPERATION OF MESSAGE DISTRIBUTION SYSTEM

CONDITION(S): Provided personnel, equipment, planning documents, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Supervise communication center security, as required.

2. Supervise COMSEC procedures.

3. Review communication logs for correctness and completeness.

4. Supervise watch-to-watch inventories.

5. Supervise alternate routing procedures.

6. Control destruction of CMS software.

7. Supervise execution of communication emergency action procedures.

8. Supervise update of operator database, as required.

9. Ensure proper delivery/receipt of messages.

10. Ensure proper operation of messaging system software.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. SOP, UNIT

2. ACP-122, Communications Instruction - Security

3. ACP-131, Communications Instruction - Operating Procedures

4. CMS-1_, COMSEC Material System Policy & Procedures Manual

5. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

6. MCWP 6-22, Communication and Information Systems

7. NTP-3, Plain Language Address Directory (PLAD)

8. NTP-4, Naval Telecommunications Procedures/Fleet

9. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

TRAINING MATERIEL:

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ENCLOSURE (6)

1. Computer Suite

2. * Network Server

3. * Servers

4. * Software

_____

TASK: 0659.03.02 (CORE) OPTIMIZE SYSTEM PERFORMANCE

CONDITION(S): Provided workstations, utilities, servers, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Establish system performance baseline.

2. Monitor system performance.

3. Analyze system for workload performance.

4. Reconfigure the system, as required.

5. Reestablish baseline, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Computer Suite

2. * Network Server

3. * Servers

4. * Software

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TASK: 0659.03.03 (CORE) MANAGE INFORMATION SYSTEMS SERVICES

CONDITION(S): Provided servers, workstations, software, personnel, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Monitor information systems services.

2. Ensure correct operation of information systems services.

3. Ensure proper allocation of resources.

4. Regulate access to information systems services.

5. Supervise configuration of (OSI) Physical Layer devices.

6. Supervise configuration of (OSI) Physical Layer media.

7. Supervise configuration of (OSI) Data Link Layer communication protocols on host interfaces, for both LANs and WANs.

8. Supervise configuration of (OSI) Network Layer protocols on host systems: TCP/IP Addressing

9. Reconfigure select devices and services, as required.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. UNIX Operating System Manual

3. UNIX System and Network Administration Manual

TRAINING MATERIEL:

1. Computer Suite

2. * Network Server

3. * Servers

4. * Software

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TASK: 0659.03.04 (CORE) TROUBLESHOOT FAULTY END-USER COMPUTER EQUIPMENT

CONDITION(S): Provided equipment, utilities, diagnostic equipment, and references.

STANDARD(S): To return faulty computer equipment to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Analyze problems.

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ENCLOSURE (6)

2. Determine possible solutions.

3. Validate possible solutions.

4. Implement solutions.

5. Edit the registry, as required.

6. Direct reinstallation of operating system, as required.

7. Verify resolution.

8. Document procedures.

INITIAL TRAINING SETTING: FLC Sustainment: 24 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

TRAINING MATERIEL:

1. Computer Suite

2. Software

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TASK: 0659.03.05 (CORE PLUS) SUPERVISE OPERATION OF AN/MSC-63A

CONDITION(S): Provided personnel, equipment, planning documents, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety precautions.

2. Evaluate user requirements.

3. Coordinate with the agencies controlling system through which distant end users will interface the AN/MSC-63A, as required.

4. Ensure operational readiness of AN/MSC-63A systems.

5. Ensure systems adminstrator functions are performed.

6. Supervise operational configurations.

7. Reconfigure AN/MSC-63A, as required.

8. Schedule system maintenance.

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9. Verify system maintenance.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. TM 07737B-10/1, Systems Operation Manual, Communications Central AN/MSC-63

3. TM 07737B-10/2, COMM CNTRL MSC-63A

4. TM 5-4120-363-14, AIRCONDVERT Compact 36000 BTU

TRAINING MATERIEL:

1. * AN/MSC-63A Communications Central

2. AN/TSC-96A Satellite Communications Central

3. Computer Suite

4. * Servers

5. * Software

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TASK: 0659.03.06 (CORE PLUS) SUPERVISE SYSTEM BACKUP/RECOVERY

CONDITION(S): Provided servers, workstations, backup software, peripheral devices, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Back-up file(s), directories, and file systems.

2. Restore file(s), directories, and file systems.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. UNIX Operating System Manual

TRAINING MATERIEL:

1. Computer Suite

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ENCLOSURE (6)

2. * Servers

3. * Software

<u>MOS 0661, DATA NETWORK SYSTEMS SPECIALIST</u>

<u>DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEM SUPPORT PLANNING</u>

For a complete MOS 0661 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

<u>TASK:</u> 0661.01.01 (CORE) DEVELOP NETWORK ADDRESSING SCHEME

<u>CONDITION(S):</u> Provided planning documents and references.

<u>STANDARD(S):</u> To ensure reliable, secure, fast and flexible communication, per the references.

<u>PERFORMANCE STEPS:</u>

    1. Examine network diagram.

    2. Subnet address to maximize effectiveness.

    3. Assign addresses.

    4. Update the diagram.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

    1. Applicable Technical Publications/Manuals

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<u>TASK:</u> 0661.01.02 (CORE) DETERMINE THE PRINCIPLES OF NETWORK PLAN

<u>CONDITION(S):</u> Provided planning documents and references.

<u>STANDARD(S):</u> To ensure reliable, secure, fast and flexible communication, per the references.

<u>PERFORMANCE STEPS:</u>

    1. Identify the basic elements of a network plan.

    2. Identify total number of hosts.

    3. Identify network systems.

    4. Identify network applications.

    5. Identify network transmission systems capabilities.

    6. Identify bandwidth requirements and constraints.

    7. Identify the principles of risk analysis.

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    8. Identify COMSEC requirements.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

    1. Applicable Technical Publications/Manuals

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<u>TASK:</u> 0661.01.03 (CORE PLUS) DEVELOP MULTI-PROTOCOL NETWORK PLAN

<u>CONDITION(S):</u> Provided planning documents and references.

<u>STANDARD(S):</u> To ensure reliable, secure, fast and flexible communication, per the references.

<u>PERFORMANCE STEPS:</u>

    1. Identify protocols on current network.

    2. Research protocol characteristics.

    3. Identify interoperability requirements.

    4. Establish network plan.

    5. Identify the risks associated with multi-protocol network plan.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: Sgt

<u>REFERENCE(S):</u>

    1. Applicable Technical Publications/Manuals

Appendix P to
ENCLOSURE (6)

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

TASK: 0661.02.01 (CORE) INSTALL DATA COMMUNICATIONS NETWORK

CONDITION(S): Provided equipment, planning documents, and reference.

STANDARD(S): To prepare network for operation, per the reference.

PERFORMANCE STEPS:

    1. Adhere to all safety precautions.

    2. Examine planning documents.

    3. Construct cables, as required.

    4. Verify power source.

    5. Connect the equipment.

    6. Initialize equipment.

    7. Perform basic equipment configuration.

    8. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. MCO P5230.14, Marine Corps Data Network (MCDN) Management and Control Manual

TRAINING MATERIEL:

    1. Computer Suite

    2. * Network Server

    3. * Servers

    4. * Software

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TASK: 0661.02.02 (CORE) CONNECT SECURE TELEPHONE UNIT TO NETWORK DEVICE

CONDITION(S): Provided a secure phone, required cables, network system, and references.

STANDARD(S): To prepare Secure Telephone for operation, per the references.

PERFORMANCE STEPS:

    1. Site the equipment.

2.   Connect Secure Telephone cable to network device.

3.   Configure Secure Telephone, as required.

4.   Perform operational check.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

2.   STU-III/SECTEL User's Guide

3.   OPNAV 5510, Information and Personnel Security Program

4.   TM 11-5810-329-10, Voice Terminal TSEC/KY-68

TRAINING MATERIEL:

1.   KY-68

2.   STE

3.   STU-III

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TASK: 0661.02.03 (CORE) INSTALL NETWORK OPERATING SYSTEMS

CONDITION(S): Provided planning documents, equipment, software, and references.

STANDARD(S): To prepare network operating systems for operation, per the references.

PERFORMANCE STEPS:

1.   Adhere to all safety precautions.

2.   Determine system configuration requirements.

3.   Prepare system for installation, as required.

4.   Install network operating software.

5.   Install network services (i.e., WINS, DHCP, SNMP, etc.).

6.   Configure network operating system.

7.   Perform operational check.

8.   Troubleshoot/Resolve software problems.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

Appendix P to
ENCLOSURE (6)

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Computer Suite

2. * Network Server

3. * Servers

4. * Software

ADMINISTRATIVE INSTRUCTIONS: Consider the internetwork operating system (software, router, etc.).

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TASK: 0661.02.04 (CORE PLUS) INSTALL NETWORK MANAGEMENT SYSTEMS

CONDITION(S): Provided planning documents, equipment, software, and references.

STANDARD(S): To prepare network management system for operation, per the references.

PERFORMANCE STEPS:

1. Examine network diagram.

2. Install software.

3. Follow configuration instructions.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Cpl

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Computer Suite

2. * Software

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

TASK: 0661.03.01 (CORE) OPERATE ELECTRONIC DATA FILE TRANSFER SYSTEM

CONDITION(S): Provided a data file transfer system and references.

STANDARD(S): To provide reliable and secure communication, per the references.

PERFORMANCE STEPS:

1. Establish appropriate records/logs/files.

2. Verify data transfer protocol.

3. Verify interface connections.

4. Verify settings.

5. Verify COMSEC.

6. Troubleshoot, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. STU-III/SECTEL User's Guide

2. TM 09150A-15, FMF EUCE Combined User and Computer Operation Manual

_____

TASK: 0661.03.02 (CORE) PERFORM DOMAIN NAME SYSTEM (DNS) ADMINISTRATION

CONDITION(S): Provided an installed Domain Name System, planning documents, equipment, and reference.

STANDARD(S): To provide reliable and secure communication, per the reference.

PERFORMANCE STEPS:

1. Examine planning documents.

2. Add/Modify resource records.

3. Test DNS.

4. Document changes/updates.

5. Back-up data files.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

Appendix P to
ENCLOSURE (6)

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. Computer Suite

    2. * Network Server

    3. * Servers

    4. * Software

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TASK: 0661.03.03 (CORE) MONITOR NETWORK PERFORMANCE

CONDITION(S): Provided equipment, software, and reference.

STANDARD(S): To maintain network operability and identify network failures, per the reference.

PERFORMANCE STEPS:

    1. Establish performance baselines.

    2. Proactively monitor devices and performance.

    3. Analyze/Document statistics.

    4. Perform corrective actions, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

    1. MCO P5230.14, Marine Corps Data Network (MCDN) Management and Control Manual

TRAINING MATERIEL:

    1. Computer Suite

    2. * Network Server

    3. * Servers

    4. * Software

ADMINISTRATIVE INSTRUCTIONS: Perfomance steps must be performed sequentially.

_____

TASK: 0661.03.04 (CORE) CONFIGURE NETWORK COMPONENTS

CONDITION(S): Provided planning documents, equipment, software, and references.

STANDARD(S): To prepare components for operation, per the references.

PERFORMANCE STEPS:

    1.   Examine planning documents.

    2.   Configure (OSI) Physical Layer devices.

    3.   Configure (OSI) Data Link Layer devices:

        a.   Bridges.

        b.   Switches.

    4.   Configure (OSI) Network Layer devices:

        a.   Internal hardware.

        b.   External interfaces:

            1.   Unshielded Twisted Pair Cable.

            2.   Coax Cable.

            3.   Fiber Optics Cable.

            4.   Connectors.

            5.   Binding Posts.

            6.   Junction Boxes.

            7.   Field Wire.

            8.   Serial Cables.

            9.   Patch Panels.

    5.   Configure (OSI) Data Link Layer communication protocols, for both LANs and WANs.

    6.   Configure (OSI) Network Layer protocols:

        a.   Routable: TCP/IP.

        b.   Routing Protocols.

            1. Static.

            2. RIP.

            3. EIGRP.

            4. OSPF.

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ENCLOSURE (6)

      5. BGP.

  7. Configure (OSI) Transport Layer protocols:

    a. TCP.

    b. UDP.

    c. ICMP.

  8. Troubleshoot, as required.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 6 Req By: Pvt

<u>REFERENCE(S):</u>

  1. Applicable Technical Publications/Manuals

  2. Errors and Codes Manual

<u>TRAINING MATERIEL:</u>

  1. * Computer Suite

  2. * Network Server

  3. * Software

<u>ADMINISTRATIVE INSTRUCTIONS:</u> Perfomance steps must be performed sequentially.

Appendix P to
ENCLOSURE (6)

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0661.04.01 (CORE) MAINTAIN DATA COMMUNICATIONS NETWORK

CONDITION(S): Provided an installed network, planning documents, diagnostic tools, and references.

STANDARD(S): To ensure network operability, identify faults, and return network to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Adhere to all safety precautions.

2. Examine planning documents.

3. Monitor network.

4. Operate test equipment.

5. Identify faults in network.

6. Repair/Replace defective components, as required.

7. Perform operational check.

8. Document changes.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. MCO P5230.14, Marine Corps Data Network (MCDN) Management and Control Manual

2. MCO P5233.1, Marine Corps ADP Management Standards Manual

TRAINING MATERIEL:

1. Computer Suite

2. * Network Server

3. * Servers

4. * Software

ADMINISTRATIVE INSTRUCTIONS: Perfomance steps must be performed sequentially.

_____

TASK: 0661.04.02 (CORE) MAINTAIN SYSTEM SOFTWARE

CONDITION(S): Provided a computer system, required software, and references.

STANDARD(S): To ensure system software operability, identify software problems, and return system to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Back-up system.

2. Troubleshoot/Resolve software problems, as required.

3. Upgrade software, as required.

4. Recover system files, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. RS 232 Interface Description

TRAINING MATERIEL:

1. Computer Suite

2. * Servers

3. * Software

ADMINISTRATIVE INSTRUCTIONS: Perfomance steps must be performed sequentially.

MOS 0669, DATA NETWORK SYSTEMS CHIEF

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

For a complete MOS 0669 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0669.01.01 (CORE) DEVELOP INFORMATION SYSTEMS SECURITY PLANS

CONDITION(S): Provided planning documents, network equipment, software, and reference.

STANDARD(S): To ensure information systems security measures will meet security requirements, per the reference.

PERFORMANCE STEPS:

1. Review applicable directives.

2. Perform vulnerability assessment.

3. Determine hardware/software requirements.

4. Evaluate present capabilities.

5. Identify shortfalls.

6. Determine cryptographic topology.

7. Plan security measures.

8. Draft information systems security plan.

9. Submit the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

TRAINING MATERIEL:

1. Computer Suite

2. * Network Server

3. * Servers

4. * Software

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TASK: 0669.01.02 (CORE) DEVELOP DATA COMMUNICATIONS NETWORK PLANS

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ENCLOSURE (6)

CONDITION(S): Provided planning documents, planning tools, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1.   Examine planning documents.

    2.   Determine network infrastructure requirements.

    3.   Determine existing capabilities.

    4.   Identify shortfalls.

    5.   Plan network services (i.e., DNS, SNMP, DHCP, etc.).

    6.   Create layout diagram of connectivity.

    7.   Submit the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

ADMINISTRATIVE INSTRUCTIONS: Systems planning and engineering must include the ability to expand and migrate to other systems or networks.

_____

TASK: 0669.01.03 (CORE) DEVELOP MULTI-PROTOCOL NETWORK PLANS

CONDITION(S): Provided data communication architecture, set of identified protocols, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1.   Examine planning documents.

    2.   Identify required protocols.

    3.   Research protocol characteristics.

    4.   Identify interoperability requirements.

    5.   Draft protocol plan.

    6.   Submit the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

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ENCLOSURE (6)

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

TASK: 0669.02.01 (CORE) INTEGRATE DATA COMMUNICATION NETWORKS

CONDITION(S): Provided planning documents, equipment, software, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Determine connectivity requirements.

    2. Determine protocols to be used.

    3. Install network devices, as required.

    4. Reconfigure network devices and services, as required.

    5. Verify connectivity.

    6. Perform operational check.

    7. Update documentation.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

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TASK: 0669.02.02 (CORE) SUPERVISE INSTALLATION OF DATA COMMUNICATION NETWORKS

CONDITION(S): Provided planning documents, equipment, software, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Ensure adherence to all safety precautions.

    2. Examine planning documents.

    3. Direct placement of equipment.

    4. Ensure installation of network security components.

    5. Ensure installation of network services.

    6. Ensure configuration of network components.

7. Ensure configuration of network services, per planning documents.

8. Verify installation, per planning documents.

9. Perform operational check.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

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ENCLOSURE (6)

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

TASK: 0669.03.01 (CORE) SUPERVISE OPERATION OF DATA COMMUNICATIONS NETWORKS

CONDITION(S): Provided planning documents, equipment, software, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Examine planning documents.

2. Supervise reconfiguration of (OSI) Physical Layer devices:

    a. Hubs.

    b. Repeaters.

    c. Concentrators.

    d. Transceivers.

    e. Modems.

    f. Converters.

    g. Multi-plexors.

    h. CSU/DSU.

3. Supervise reconfiguration of (OSI) Data Link Layer devices:

    a. Bridges.

    b. Switches.

4. Supervise reconfiguration of (OSI) Network Layer devices: Routers

5. Supervise reconfiguration of (OSI) Physical Layer media:

    a. UTP Cable.

    b. Coax Cable/CX-11230.

    c. Fiber Optics Cable/CX-13295.

    d. Connectors.

    e. Binding Posts.

    f. J-Boxes.

    g. WF-16.

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    h.   Serial Cables.

    i. Patch Panels.

6. Supervise reconfiguration (OSI) Data Link Layer communication protocols:

a. LAN:

    1. Ethernet.

    2. Token Ring.

    3. ATM.

b. WAN:

    1. PPP.

    2. HDLC.

    3. X.25.

    4. NRZ.

    5. CDI.

7. Supervise reconfiguration (OSI) Network Layer protocols:

    a. Routable; TCP/ICP

    b. Routing Protocols

        1. Static.

        2. RIP.

        3. EIGRP.

8. Supervise reconfiguration (OSI) Transport Layer protocols:

    a. TCP.

    b. UDP.

    c. ICMP.

9. Reconfigure select devices and services as required.

10. Monitor network load.

11. Employ network utilities.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: SSgt

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ENCLOSURE (6)

REFERENCE(S):

　1.　Applicable Technical Publications/Manuals

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TASK: 0669.03.02 (CORE) SUPERVISE IMPLEMENTATION OF MULTI-PROTOCOL NETWORKING PLAN

CONDITION(S): Provided planning documents, equipment, utilities, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

　1.　Review planning documents.

　2.　Assign addresses.

　3.　Register addresses and domains, as required.

　4.　Ensure addresses and domains are configured.

　5.　Ensure addresses and domains are verified.

　6.　Ensure operational checks are completed.

INITIAL TRAINING SETTING:　FLC　Sustainment: 12　Req By: SSgt

REFERENCE(S):

　1.　Applicable Technical Publications/Manuals

Appendix Q to
ENCLOSURE (6)

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0669.04.01 (CORE) OPTIMIZE NETWORK PERFORMANCE

CONDITION(S): Provided network equipment, utilities, and reference.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the reference.

PERFORMANCE STEPS:

1. Establish network performance baseline.

2. Monitor network performance.

3. Analyze network for workload peformance.

4. Reconfigure the network, as required.

5. Reestablish baseline, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. Computer Suite

2. * Network Server

3. * Software

_____

TASK: 0669.04.02 (CORE PLUS) TROUBLESHOOT FAULTY NETWORK SYSTEMS

CONDITION(S): Provided equipment, utilities, diagnostic equipment, and references.

STANDARD(S): To return faulty network system to a fully operational status, per the references.

PERFORMANCE STEPS:

1. Analyze problems.

2. Determine possible solutions.

3. Validate possible solutions.

4. Implement solutions.

   5.   Perform flash upgrades, as required.

   6.   Rebuild network devices, as required.

   7.   Perform operational check.

   8.   Update documentation.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

TRAINING MATERIEL:

   1.   Computer Suite

   2.   * Network Server

   3.   * Software

MOS 0671, APPLICATIONS PROGRAMMER

DUTY AREA 01 - PROGRAMMING

For a complete MOS 0671 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0671.01.01 (CORE) CREATE A FLOWCHART

CONDITION(S): Provided a programming specification, logical model, flowcharting tool, computer suite, software, and references.

STANDARD(S): To satisfy the programming specification, per the references.

PERFORMANCE STEPS:

1. Flowchart sequential logic.

2. Flowchart conditional logic.

3. Flowchart iterative logic.

4. Pseudo code program logic.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

_____

TASK: 0671.01.02 (CORE) WRITE CONTROL STATEMENTS

CONDITION(S): Provided a flow chart, pseudo code, a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze given information.

2. Determine the solution.

3. Code sequential control statements, as required.

4. Code conditional control statements, as required.

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    5. Code iterative control statements, as required.

    6. Write supporting comments.

    7. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0671.01.03 (CORE) WRITE A DRIVER ROUTINE

CONDITION(S): Provided a Flow Chart, pseudo code, a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

    1. Analyze given information.

    2. Determine the solution.

    3. Determine the module(s) to be called.

    4. Code the statements.

    5. Write supporting comments.

    6. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0671.01.04 (CORE) CREATE EXECUTABLE CODE

CONDITION(S): Provided a computer suite, software, a linker, object code, and references.

STANDARD(S): Per the references.

PERFORMANCE STEPS:

1. Create object code.

2. Link the object code.

3. Troubleshoot link errors.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0671.01.05 (CORE) DEBUG A PROGRAM

CONDITION(S): Provided a program, a specification, a computer suite, software, and reference.

STANDARD(S): To ensure that the program operates according to the specification, per the reference.

PERFORMANCE STEPS:

1. Execute program.

2. Determine problem.

3. Apply debugging technique(s) to locate problem(s).

4. Correct problem(s).

5. Create object code.

6. Create executable code.

7. Document modifications.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0671.01.06 (CORE) WRITE A FUNCTION

CONDITION(S): Provided a Flowchart, pseudo code, a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

    1. Analyze given information.

    2. Determine the solution.

    3. Determine the return type.

    4. Determine the parameters to be passed.

    5. Code the statements.

    6. Write supporting comments.

    7. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0671.01.07 (CORE) WRITE A SUBPROGRAM

CONDITION(S): Provided a Flowchart, pseudo code, a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

    1.   Analyze given information.

    2.   Determine the solution.

    3.   Determine the parameters to be passed.

    4.   Code the statements.

    5.   Write the supporting comments.

    6.   Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1.   * Computer Suite

    2.   * Software

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TASK: 0671.01.08 (CORE) WRITE AN ERROR HANDLING ROUTINE

CONDITION(S): Provided a Flowchart, pseudo code, a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

    1.   Analyze given information.

    2.   Determine the solution.

    3.   Code the statements.

    4.   Return error message(s).

    5.   Write supporting comments.

    6.   Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0671.01.09 (CORE) MANIPULATE AN ARRAY

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze given information.

2. Determine the solution.

3. Create an array.

4. Modify an array.

5. Write supporting comments.

6. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0671.01.10 (CORE) MANIPULATE A RECORD

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze given information.

2. Determine the solution.

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3. Create a record.

4. Modify a record.

5. Write supporting comments.

6. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0671.01.11 (CORE) CREATE A USER INTERFACE

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze given information.

2. Determine the solution.

3. Code the statements.

4. Write supporting comments.

5. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0671.01.12 (CORE) INTERFACE WITH A DATA SOURCE

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Open a data source.

2. Manipulate the data source.

3. Close a data source.

4. Write supporting comments.

5. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

DUTY AREA 02 - SYSTEM TESTING

TASK: 0671.02.01 (CORE) CONDUCT A UNIT TEST

CONDITION(S): Provided a test specification, computer suite, software, an executable program, and references.

STANDARD(S): To satisfy the test specification, per the references.

PERFORMANCE STEPS:

    1. Execute the test specification.

    2. Document the results.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0671.02.02 (CORE) CONDUCT AN INTEGRATION TEST

CONDITION(S): Provided an integration test plan, computer suite, software, executable program, and references.

STANDARD(S): To satisfy the integration test plan, per the references.

PERFORMANCE STEPS:

    1. Execute the integration test plan.

    2. Document the results.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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<u>TASK:</u> 0671.02.03 (CORE) CONDUCT REGRESSION TESTING

<u>CONDITION(S):</u> Provided a regression test plan, computer suite, software, an executable program, and references.

<u>STANDARD(S):</u> To satisfy the regression test plan, per the references.

<u>PERFORMANCE STEPS:</u>

    1.   Execute the regression test plan.

    2.   Document the results.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: Pvt

<u>REFERENCE(S):</u>

    1.   Applicable Technical Publications/Manuals

<u>TRAINING MATERIEL:</u>

    1.   * Computer Suite

    2.   * Software

DUTY AREA 03 - DATA MANIPULATION

TASK: 0671.03.01 (CORE) CREATE A DATA FILE

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

    1. Build a data file.

    2. Close a data file.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0671.03.02 (CORE) MANIPULATE A DATA FILE

CONDITION(S): Provided a requirement, computer suite, software, a data file, a Data Dictionary, and references.

STANDARD(S): To satisfy the requirement, per the references.

PERFORMANCE STEPS:

    1. Open a data file.

    2. Read a data file.

    3. Modify a data file.

    4. Close a data file.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

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2. * Software

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TASK: 0671.03.03 (CORE) SORT A DATA FILE

CONDITION(S): Provided a requirement, computer suite, software, a data file, a Data Dictionary, and references.

STANDARD(S): To satisfy the requirement, per the references.

PERFORMANCE STEPS:

1. Open a data file.

2. Sort data in a data file.

3. Close a data file.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0671.03.04 (CORE) CREATE A DATABASE TABLE

CONDITION(S): Provided a specification, a computer suite, software, a Database Management System (DBMS), and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Define the table name.

2. Define a field name.

3. Define the field data type.

4. Define the field length.

5. Define the field constraints.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

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REFERENCE(S):

 1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

 1. * Computer Suite

 2. * Software

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TASK: 0671.03.05 (CORE) JOIN MULTIPLE DATABASE TABLES

CONDITION(S): Provided a specification, a computer suite, software, a Data Dictionary, DBMS, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

 1. Locate tables.

 2. Locate key fields.

 3. Join key fields.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

 1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

 1. * Computer Suite

 2. * Software

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TASK: 0671.03.06 (CORE PLUS) CREATE A REPORT

CONDITION(S): Provided a specification, a computer suite, software, a Data Dictionary, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

 1. Open the data source.

 2. Read the data source.

 3. Format output.

    4. Write output.

    5. Close the data source.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: LCpl

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

DUTY AREA 04 - OPERATING ENVIRONMENT

TASK: 0671.04.01 (CORE) EMPLOY OPERATING SYSTEM UTILITIES

CONDITION(S): Provided a requirement, a computer suite, software, an operating system, and references.

STANDARD(S): To satisfy the requirement, per the references.

PERFORMANCE STEPS:

1. Copy a file, as required.

2. Rename a file, as required.

3. Delete a file, as required.

4. List files, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0671.04.02 (CORE) DEPLOY AN APPLICATION

CONDITION(S): Provided a new application, a computer suite, software, an operating system, and references.

STANDARD(S): To ensure that the application operates, per the references.

PERFORMANCE STEPS:

1. Create an install disk.

2. Create installation instructions.

3. Test installation instructions.

4. Install application.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

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    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

DUTY AREA 05 - WEB DEVELOPMENT

TASK: 0671.05.01 (CORE) CREATE A WEB PAGE

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze given information.

2. Determine the solution.

3. Code the solution.

4. Write supporting comments.

5. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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MOS 0672, ADVANCED APPLICATIONS PROGRAMMER

DUTY AREA 01 - SYSTEMS ANALYSIS

For a complete MOS 0672 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0672.01.01 (CORE) CONDUCT AN INTERVIEW

CONDITION(S): Provided a customer request, an interview checklist, points-of-contact, and references.

STANDARD(S): To satisfy the interview checklist, per the references.

PERFORMANCE STEPS:

1. Plan the interview.

2. Schedule the interview.

3. Set the interview environment.

4. Collect information.

5. Review the interview highlights.

6. Schedule a follow-up.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

ADMINISTRATIVE INSTRUCTIONS: Initial and follow-up interviews, feasibility studies, user requirements, existing system review, etc.

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TASK: 0672.01.02 (CORE) CONDUCT A BUSINESS PROCESS ANALYSIS

CONDITION(S): Provided a customer request, a business process checklist, points-of-contact, a computer suite, software, and references.

STANDARD(S): To satisfy the business process checklist, per the references.

PERFORMANCE STEPS:

1. Determine key personnel.

2. Schedule a visit.

3. Conduct a visit.

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4. Collect data.

5. Analyze data to determine flow.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

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TASK: 0672.01.03 (CORE) MODEL A BUSINESS PROCESS

CONDITION(S): Provided a customer request, a business process specification, a computer suite, software, and references.

STANDARD(S): To satisfy the business process specification, per the references.

PERFORMANCE STEPS:

1. Draw a context diagram.

2. Draw a Level 1 diagram.

3. Draw a Level 2 diagram.

4. Validate diagram inputs/outputs.

5. Validate business process with customer.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0672.01.04 (CORE) CONDUCT A RESOURCE ANALYSIS

CONDITION(S): Provided a customer request, a list of available resources, a resource analysis checklist, a computer suite, software, and references.

STANDARD(S): To satisfy the resource analysis checklist, per the references.

PERFORMANCE STEPS:

1. Establish the baseline.

2. Determine resource constraints.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0672.01.05 (CORE) CONDUCT A FEASIBILITY STUDY

CONDITION(S): Provided a customer request, a list of available resources, a computer suite, software, and references.

STANDARD(S): To satisfy the customer's request, per the references.

PERFORMANCE STEPS:

1. Examine information.

2. Determine limitations.

3. Determine solutions.

4. Propose best solution.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0672.01.06 (CORE) WRITE A REQUIREMENTS DOCUMENT

CONDITION(S): Provided a customer request, system information, a business process model, a computer suite, software, and references.

STANDARD(S): To satisfy the customer's request, per the references.

PERFORMANCE STEPS:

    1. Determine the problem domain.

    2. Write the requirements definition.

    3. Write the requirements specification.

    4. Validate the requirements with the customer.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0672.01.07 (CORE) WRITE A GENERAL DESIGN SPECIFICATION

CONDITION(S): Provided a requirements document, a computer suite, software, and references.

STANDARD(S): To satisfy the requirements document, per the references.

PERFORMANCE STEPS:

    1. Draw a context diagram.

    2. Draw a Level 1 diagram.

    3. Draw a Level 2 diagram.

    4. Validate diagram inputs/outputs.

    5. Validate general design with customer.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

DUTY AREA 02 - SYSTEMS DESIGN

TASK: 0672.02.01 (CORE) CREATE A LOGICAL MODEL

CONDITION(S): Provided a requirements specification, general design specification, a computer suite, software, and references.

STANDARD(S): To satisfy the requirements specification, per the references.

PERFORMANCE STEPS:

1. Draw a context diagram.

2. Draw a Level 1 diagram.

3. Draw a Level 2 diagram.

4. Flowchart processes.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0672.02.02 (CORE) CREATE A DATA DICTIONARY

CONDITION(S): Provided a requirements specification, data model, computer suite, software, and references.

STANDARD(S): To satisfy the requirements specification, per the references.

PERFORMANCE STEPS:

1. Identify common data objects.

2. Identify attributes of the objects.

3. Identify constraints.

4. Define each data object.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0672.02.03 (CORE) CREATE AN ENTITY-RELATIONSHIP DIAGRAM

CONDITION(S): Provided a requirements specification, a data processing template, and references.

STANDARD(S): To satisfy the requirements specification, per the references.

PERFORMANCE STEPS:

    1. Determine entities based on the data model.

    2. Determine relationships between entities.

    3. Determine constraints on the entities and their relationships.

    4. Determine attributes of the entities.

    5. Determine keys for each entity.

    6. Draw the entity-relationship diagram.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0672.02.04 (CORE) CREATE A SCHEMATIC DIAGRAM

CONDITION(S): Provided an entity-relationship diagram and references.

STANDARD(S): To satisfy the entity-relationship diagram, per the references.

PERFORMANCE STEPS:

    1. Determine the tables based on the entities.

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2. Determine the keys for each table.

3. Normalize the tables.

4. Determine index requirements.

5. Determine integrity constraints.

6. Draw schema diagram

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0672.02.05 (CORE) CREATE A DETAILED DESIGN SPECIFICATION

CONDITION(S): Provided a requirements specification, a general design specification, a computer suite, software, and references.

STANDARD(S): To satisfy the requirements specification, per the references.

PERFORMANCE STEPS:

1. Perform functional decomposition.

2. Write the detailed design specification.

3. Validate the design against the requirements.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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DUTY AREA 03 - PROGRAMMING

TASK: 0672.03.01 (CORE) PERFORM ADVANCED PROGRAMMING TECHNIQUES

CONDITION(S): Provided a requirement, a computer suite and software, and references.

STANDARD(S): To satisfy the requirement, per the references.

PERFORMANCE STEPS:

1. Identify the advance technique to be used.

2. Determine constraints.

3. Code the solution.

4. Write supporting comments.

5. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

DUTY AREA 04 - SYSTEMS TESTING

TASK: 0672.04.01 (CORE) CONDUCT A SYSTEM TEST

CONDITION(S): Provided a system test plan, computer suite, software, an executable program, and references.

STANDARD(S): To satisfy the system test plan, per the references.

PERFORMANCE STEPS:

    1.   Execute the system test plan.

    2.   Document the results.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1.   * Computer Suite

    2.   * Software

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TASK: 0672.04.02 (CORE) CONDUCT AN ACCEPTANCE TEST

CONDITION(S): Provided a requirements specification, a system, a test checklist, a computer suite, software, and references.

STANDARD(S): To satisfy the acceptance test checklist, per the references.

PERFORMANCE STEPS:

    1.   Coordinate the acceptance test.

    2.   Validate the system against the requirements document.

    3.   Document the results.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1.   * Computer Suite

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2. * Software

2. * Software

DUTY AREA 05 - INFORMATION SYSTEMS MANAGEMENT

TASK: 0672.05.01 (CORE) EMPLOY A CONFIGURATION MANAGEMENT (CM) TOOL

CONDITION(S): Provided a Configuration Management (CM) tool, a computer suite, software, a requirement, and references.

STANDARD(S): To satisfy the requirement, per the references.

PERFORMANCE STEPS:

    1. Insert all items into the CM tool.

    2. Manage the access to the CM tool.

    3. Manage the change log.

    4. Check-out an item.

    5. Check-in a changed item.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0672.05.02 (CORE) CREATE A TEST SPECIFICATION

CONDITION(S): Provided a detailed design specification, a requirements specification, a computer suite, software, and references.

STANDARD(S): To satisfy the requirements specification, per the references.

PERFORMANCE STEPS:

    1. Analyze the Detailed Design Specification.

    2. Analyze the Requirements Specification.

    3. Write a test checklist.

    4. Write the test specification.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

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REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

DUTY AREA 06 - WEB DEVELOPMENT

TASK: 0672.06.01 (CORE) CREATE A WEB INTERFACE

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze given information.

2. Determine the solution.

3. Code the graphical user interface.

4. Write supporting comments.

5. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0672.06.02 (CORE) CREATE AN APPLET

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze the given information.

2. Determine the solutions.

3. Code the solutions.

4. Write supporting comments.

5. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0672.06.03 (CORE) CONTROL ACCESS TO WEB PAGE

CONDITION(S): Provided a specification, a computer suite, software, and references.

STANDARD(S): To satisfy the specification, per the references.

PERFORMANCE STEPS:

1. Analyze given information.

2. Determine the solution.

3. Implement solution.

4. Write supporting comments.

5. Conduct code walkthrough.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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MOS 0679, APPLICATIONS SOFTWARE MANAGER

DUTY AREA 01 - INFORMATION SYSTEMS MANAGEMENT

For a complete MOS 0679 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0679.01.01 (CORE) CREATE A CONFIGURATION MANAGEMENT PLAN

CONDITION(S): Provided a requirements document, a configuration management plan checklist, a computer suite, software, and references.

STANDARD(S): To satisfy the configuration management plan checklist, per the references.

PERFORMANCE STEPS:

1. Determine the configuration management goals.

2. Determine the change request procedure.

3. Determine the functional configuration procedure.

4. Determine the physical configuration procedure.

5. Determine the change control procedure.

6. Write a configuration management plan.

7. Validate against standards and policies.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. MCO 5231.1_, Life Cycle Management for Automated Information Systems

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0679.01.02 (CORE) EMPLOY A PROJECT MANAGEMENT TOOL

CONDITION(S): Provided a project management tool, a project, a computer suite, software, and references.

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STANDARD(S): To satisfy the project, per the references.

PERFORMANCE STEPS:

    1. Open a project file.

    2. Manipulate a project file.

    3. Close a project file.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0679.01.03 (CORE) CREATE A TEST PLAN

CONDITION(S): Provided a requirements document, a detailed design specification, a test plan checklist, a project schedule, a computer suite, software, and references.

STANDARD(S): To satisfy the test plan checklist, per the references.

PERFORMANCE STEPS:

    1. Describe the four major phases of the testing process.

    2. Determine the items to be tested.

    3. Determine the testing schedule based on the project schedule.

    4. Determine the resources required for testing.

    5. Determine the testing constraints.

    6. Write the test plan.

    7. Validate against standards and policies.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. SOP, UNIT

3. MCO 5231.1_, Life Cycle Management for Automated Information Systems

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0679.01.04 (CORE) CREATE A PROJECT TRAINING PLAN

CONDITION(S): Provided a requirements document, a project schedule, a list of sites, a training plan checklist, a computer suite, software, and references.

STANDARD(S): To satisfy the training plan checklist, per the references.

PERFORMANCE STEPS:

1. Determine the project training goals.

2. Determine the project training environment(s).

3. Determine the training schedule based on the project schedule.

4. Write the project training plan.

5. Validate against standards and policies.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. MCO 5231.1_, Life Cycle Management for Automated Information Systems

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

ADMINISTRATIVE INSTRUCTIONS: User training, programmer training, etc.

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TASK: 0679.01.05 (CORE) MANAGE PROJECT TEAMS

CONDITION(S): Provided a list of resources, project requirements, a computer suite, software, and references.

STANDARD(S): To satisfy the project requirements, per the references.

PERFORMANCE STEPS:

1. Determine team goals.

2. Determine resource requirements.

3. Assign resources.

4. Evaluate producivity.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0679.01.06 (CORE) CONDUCT A PROGRESS REVIEW

CONDITION(S): Provided a completed project with an associated list of sample problems,
a system review checklist, a computer suite, software, and references.

STANDARD(S): To satisfy the system review checklist, per the references.

PERFORMANCE STEPS:

1. Establish a meeting.

2. Distribute project items to team members.

3. Inspect project items for adherence to standard.

4. Inspect project processes for adherence to standard.

5. Inspect project items against requirements.

6. Assign resources to problem areas.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

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3. MCO P5231.1, Life Cycle Management for Automated Information Systems

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0679.01.07 (CORE) CREATE A STANDARDS DOCUMENT

CONDITION(S): Provided a standards checklist, a computer suite, software, and references.

STANDARD(S): To satisfy the standards checklist, per the references.

PERFORMANCE STEPS:

1. Review standards references.

2. Write a standards document.

3. Validate against standards and policies.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S): (NONE)

TRAINING MATERIEL:

1. * Computer Suite

2. * Software

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TASK: 0679.01.08 (CORE) CREATE AN IMPLEMENTATION PLAN

CONDITION(S): Provided a requirements specification, a computer suite, software, and references.

STANDARD(S): To satisfy the requirements specification, per the references.

PERFORMANCE STEPS:

1. Analyze requirements specification.

2. Determine resources.

3. Determine target environment.

4. Coordinate implementation schedule with user(s).

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5. Write the implementation plan.

6. Validate against standards and policies.

<u>INITIAL TRAINING SETTING:</u> FLC   Sustainment: 12 Req By: GySgt

<u>REFERENCE(S):</u>

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. MCO P5231.1, Life Cycle Management for Automated Information Systems

<u>TRAINING MATERIEL:</u>

1. * Computer Suite

2. * Software

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<u>TASK:</u> 0679.01.09 (CORE) CREATE A QUALITY ASSURANCE (QA) PLAN

<u>CONDITION(S):</u> Provided a requirements specification, a QA checklist, a computer suite, software, and references.

<u>STANDARD(S):</u> To satisfy the QA checklist, per the references.

<u>PERFORMANCE STEPS:</u>

1. Analyze the requirements specification.

2. Determine QA goals.

3. Determine milestones.

4. Determine outputs.

5. Determine tools.

6. Write a QA plan.

7. Validate against standards and policies.

<u>INITIAL TRAINING SETTING:</u> FLC   Sustainment: 12 Req By: GySgt

<u>REFERENCE(S):</u>

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. MCO P5231.1, Life Cycle Management for Automated Information Systems

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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TASK: 0679.01.10 (CORE) CONDUCT A COST-BENEFIT ANALYSIS

CONDITION(S): Provided a customer request, a solution, a resource analysis, a cost-benefit analysis checklist, a computer suite, software, and references.

STANDARD(S): To satisfy the cost-benefit analysis checklist, per the references.

PERFORMANCE STEPS:

    1. Establish the baseline.

    2. Estimate resource costs.

    3. Determine benefits.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

TRAINING MATERIEL:

    1. * Computer Suite

    2. * Software

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MOS 0681, INFORMATION SECURITY TECHNICIAN

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEM SUPPORT PLANNING

For a complete MOS 0681 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0681.01.01 (CORE) DRAFT EMERGENCY ACTION PLAN (EAP)

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Evaluate potential threats posed against COMSEC material, natural disasters, and hostile actions.

2. Determine secure removal/storage requirements including alternate storage locations.

3. Determine emergency destruction requirements considering facilities and devices.

4. Develop destruction priority list.

5. Determine emergency destruction methods.

6. Determine positional responsibilities for execution of EAP.

7. Submit EAP to commander.

8. Review Communication Systems users EAP preparations.

9. Conduct annual EAP training exercises.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. NTP-4, Naval Telecommunications Procedures/Fleet

3. OPNAVINST 5239.1_, Navy Information Assurance (IA) Program

4. OPNAVINST 5530.18_, Department of the Navy Physical Security Program

5. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

6. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0681.01.02 (CORE) PLAN INFOSEC MATERIAL REQUIREMENTS

CONDITION(S): Provided with planning documents, account allowance correspondence, and reference.

STANDARD(S): To ensure communication and information security, per the reference.

PERFORMANCE STEPS:

1. Conduct annual review of COMSEC material allowance.

2. Validate COMSEC material on hand.

3. Adjust modifications to allowance, as required.

4. Review reserve-on-board (ROB) level.

5. Order traditional physical/electronic key from NSA, as required.

6. Determine local traditional electronic key generation requirements and procedures.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. CMS-21, COMSEC Material System Policy and Procedures

3. NTP-3, Plain Language Address Directory (PLAD)

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TASK: 0681.01.03 (CORE) DRAFT/ENFORCE COMSEC POLICIES AND PROCEDURES

CONDITION(S): Given planning documents, commander's guidance, and references.

STANDARD(S): To ensure communication security, per the references.

PERFORMANCE STEPS:

1. Review planning documents.

2. Develop COMSEC policies and procedures.

3. Update COMSEC policies and procedures, as required.

4. Ensure adherence to COMSEC policies and procedures.

5. Provide written guidance (SOP, directives) to COMSEC users.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

1. CMS-21, COMSEC Material System Policy and Procedures

2. EKMS 704, LMD/KP Operators Manual

3. NAG-14_, Safeguarding COMSEC Material and Facilities

4. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

5. NAG-69_, Information System Security Policy and Procedures for FORTEZZA Card Certification Authority Workstations

6. NAG-71, Interim Operational Security Doctrine for the Local Management Device/Key Processor (LMD/KP)

7. NSTISSI 4005, Safeguarding Communications Security (COMSEC) Facilities and Materials

8. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

9. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0681.01.04 (CORE PLUS) DEVELOP COMSEC JOINT CONTINGENCY OPERATIONS DRAFT PLAN

CONDITION(S): Given planning documents, Commander's guidance, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Review planning documents.

2. Analyze joint COMSEC material requirements.

3. Coordinate requests and validations between joint COMSEC agencies.

4. Review changes to COMSEC contingency plan

5. Make appropriate changes.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: MGySgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. CMS-21, COMSEC Material System Policy and Procedures

3. MCWP 6-22, Communication and Information Systems

4. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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ENCLOSURE (6)

TASK: 0681.01.05 (CORE PLUS) VALIDATE COMSEC KEYMAT MODIFICATION OF ALLOWANCE (MOA)

CONDITION(S): Given the request message for the MOA, annual COMSEC review, and reference.

STANDARD(S): To ensure COMSEC KEYMAT requirements are met, per the reference.

PERFORMANCE STEPS:

1. Review the request.

2. Analyze mission and operational requirements.

3. Match request to COMSEC review.

4. Reject or accept with justification.

5. Approve if Controlling Authority (CA).

6. Forward recommended approval to CA.

INITIAL TRAINING SETTING: MOJT Sustainment: 3 Req By: MSgt

REFERENCE(S):

1. CMS-21, COMSEC Material System Policy and Procedures

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

TASK: 0681.02.01 (CORE PLUS) PERFORM IMMEDIATE SUPERIOR IN COMMAND (ISIC) FUNCTION

CONDITION(S): Given Commander's guidance, planning documents, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Review planning documents.

2. Advise subordinate accounts.

3. Perform EKMS inspections per reference (3).

4. Provide follow-on training to EKMS managers, as required.

5. Retain COMSEC records for disestablished or decommissioned account commands.

6. Validate COMSEC requirements of subordinate accounts.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. CMS-21, COMSEC Material System Policy and Procedures

3. CMS-3_, EKMS Inspection Manual

4. CMS-6, STU III Key Management

5. EKMS-702.01, STU III Key Management Plan

6. LMD/KP, Local Management Device/Key Processor Operators Manual

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TASK: 0681.02.02 (CORE PLUS) INSTALL LMD/KP ELECTRONIC KEY MANAGEMENT (EKMS) SUITE

CONDITION(S): Provided EKMS Hardware,Software, and references.

STANDARD(S): To prepare LMD/KP EKMS Suite for operation, per the references.

PERFORMANCE STEPS:

1. Inventory EKMS Hardware/Software.

2. Complete actions required by reference (3) during account installation.

3. Perform KP Initialization.

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4. Install Master Signature Key an FireFly Vector Key.

5. Enter System Administrator PIN and Password.

6. Ensure PIN and Password is changed by account manager.

7. Perform initial operational check utilizing X-400, Direct Comms, and CARS/NEAT Communications.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

1. CMS-21, COMSEC Material System Policy and Procedures

2. CMS-6, STU III Key Management

3. DCMS, 90 Day Message

4. EKMS 704, LMD/KP Operators Manual

TRAINING MATERIEL:

1. * Electronic Key Management Suite (EKMS)

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

TASK: 0681.03.01 (CORE) OPERATE THE DATA TRANSFER DEVICE (DTD)

CONDITION(S): Provided a Data Transfer Device and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1.   Initiate/setup the DTD.

    2.   Receive key.

    3.   Transfer/issue key.

    4.   Destroy key.

    5.   Review DTD audit trail on DTD.

    6.   Upload DTD audit trail to LMD.

    7.   Safeguard and account for DTD and CIKs.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1.   DTD Operator Manual

    2.   CMS-1_, COMSEC Material System Policy & Procedures Manual

    3.   CMS-21, COMSEC Material System Policy and Procedures

    4. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

TRAINING MATERIEL:

    1.   * Data Transfer Device (DTD)

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TASK: 0681.03.02 (CORE) OPERATE THE LOCAL MANAGEMENT DEVICE/KEY PROCESSOR (LMD/KP)

CONDITION(S): Provided the LMD/KP, PIN number, keys, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1.   Open the Local COMSEC Management System (LCMS) application.

    2.   Perform LCMS functions, as required.

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3. Perform daily LCMS backup.

4. Log out of LCMS.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. CMS-21, COMSEC Material System Policy and Procedures

2. EKMS-702.01, STU III Key Management Plan

3. LMD/KP, Local Management Device/Key Processor Operators Manual

TRAINING MATERIEL:

1. * Local Management Device/ Key Processor

_____

TASK: 0681.03.03 (CORE) GENERATE ELECTRONIC KEY

CONDITION(S): Given planning documents, appropriate guidance, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Determine electronic key requirements.

2. Order and produce key.

3. Report generation to COR, as required.

4. Distribute key to other accounts or local element, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

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TASK: 0681.03.04 (CORE PLUS) OPERATE THE CERTIFICATION AUTHORITY WORKSTATION (CAW)

CONDITION(S): Provided the CAW, PIN, keys, DP manual, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1.   Access the program.

    2.   Perform CAW management functions, as required.

    3.   Generate and distribute FORTEZZA cards, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Sgt

REFERENCE(S):

    1.   CMS-9, DON Certification Authority Policy and Procedures (DRAFT)

TRAINING MATERIEL:

    1.   * Computer Suite

    2.   * Software

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ENCLOSURE (6)

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0681.04.01 (CORE) MANAGE OPERATION OF SECURE TELEPHONE UNIT (STU) OR SECURE TELEPHONE EQUIPMENT (STE)

CONDITION(S): Provided a STU-3/STE/ancillary equipment and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1. Install STU/STE.

    2. Perform key update.

    3. Conduct key conversion on STU/STE.

    4. Manage key control.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. CMS-1_, COMSEC Material System Policy & Procedures Manual

    3. CMS-21, COMSEC Material System Policy and Procedures

    4. CMS-6, STU III Key Management

    5. EKMS-702.01, STU III Key Management Plan

TRAINING MATERIEL:

    1. STE

    2. STU-III

_____

TASK: 0681.04.02 (CORE) MAINTAIN ELECTRONIC KEY MANAGEMENT SYSTEM (EKMS) ACCOUNT CHRONOLOGICAL FILE

CONDITION(S): Given documents requiring filing and reference.

STANDARD(S): To ensure communication and information security, per the reference.

PERFORMANCE STEPS:

    1. Receive document.

    2. File, as appropriate.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

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TASK: 0681.04.03 (CORE) REPORT COMSEC INCIDENT/PRACTICES DANGEROUS TO SECURITY (PDS)

CONDITION(S): Provided a COMSEC incident or PDS and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Identify COMSEC incident/PDS.

2. Draft COMSEC incident report.

3. Inform Chain of Command of incident.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

4. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0681.04.04 (CORE) DESTROY COMSEC MATERIAL

CONDITION(S): Provided superseded COMSEC material and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Verify short title of the material.

2. Analyze material to determine destruction method.

3. Adhere to all safety precautions.

4. Destroy material via appropriate method.

5. Document destruction of material.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

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ENCLOSURE (6)

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

4. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0681.04.05 (CORE) CONDUCT COMSEC MATERIAL INVENTORIES

CONDITION(S): Provided the inventory sheet, COMSEC material, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Determine type of inventory to conduct based on occasion.

2. Conduct inventory.

3. Annotate corrections to the inventory and submit to COR, when required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

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TASK: 0681.04.06 (CORE) COURIER CLASSIFIED CRYPTOGRAPHIC MATERIAL

CONDITION(S): Given classified cryptographic material, official authorization, authorized container, transportation, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Package classified cryptographic material.

2. Receive transportation and delivery instructions.

3. Exercise Two Person Integrity (TPI), as required.

4. Deliver material to authorized recipient.

Appendix U to
ENCLOSURE (6)

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

4. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0681.04.07 (CORE) SUPERVISE SAFEGUARD OF COMSEC MATERIAL

CONDITION(S): Provided COMSEC material and references.

STANDARD(S): To provide communication and information security, per the references.

PERFORMANCE STEPS:

1. Ensure handling COMSEC material is based on type and classification.

2. Ensure appropriate storage of COMSEC material.

3. Validate prerequisites of individuals who request COMSEC material.

4. Change combinations, PINs, and passwords, as required.

5. Ensure storage containers meet federal specifications for classification as required.

6. Inspect protective packing and conduct page checks of COMSEC material, as required.

7. Inspect COMSEC users for compliance with safeguarding standards.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

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TASK: 0681.04.08 (CORE) RECEIVE COMSEC MATERIAL

CONDITION(S): Provided COMSEC material and references.

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ENCLOSURE (6)

STANDARD(S): To provide communication and information security, per the references.

PERFORMANCE STEPS:

1. Adhere to two-person integrity.

2. Inspect packages and COMSEC material for signs of tampering.

3. Bring material into accountability within LCMS.

4. Report receipt to COR.

5. Report receipt to originator of shipment.

6. Store material.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

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TASK: 0681.04.09 (CORE PLUS) INSTRUCT PERSONNEL IN COMSEC

CONDITION(S): Provided security regulations, appropriate training aids, and references.

STANDARD(S): To maximize the competency of the organization concerning COMSEC, per the references.

PERFORMANCE STEPS:

1. Obtain/Review security regulations.

2. Prepare/Review lesson plan.

3. Conduct training.

4. State several of the basic physical security requirements.

5. Conduct an evaluation of instructed individuals.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: SSgt

REFERENCE(S):

1. CMS-1_, COMSEC Material System Policy & Procedures Manual

2. CMS-21, COMSEC Material System Policy and Procedures

   3.   OPNAVINST 5530.18_, Department of the Navy Physical Security Program

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TASK: 0681.04.10 (CORE PLUS) TRAIN LOCAL ELEMENT (LE)

CONDITION(S): Provided training plan and references.

STANDARD(S): To maximize the competency of the organization concerning communication and information security, per the references.

PERFORMANCE STEPS:

   1.   Conduct Data Transfer Device training.

   2.   Conduct STU/STE training.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: SSgt

REFERENCE(S):

   1.   Applicable Technical Publications/Manuals

   2.   DTD Operator Manual

   3.   CMS-1_, COMSEC Material System Policy & Procedures Manual

   4.   CMS-21, COMSEC Material System Policy and Procedures

   5.   CMS-6, STU III Key Management

   6.   EKMS-702.01, STU III Key Management Plan

   7. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

MOS 0689, INFORMATION ASSURANCE TECHNICIAN

DUTY AREA 01 - RISK MANAGEMENT

For a complete MOS 0689 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0689.01.01 (CORE) IDENTIFY THE REQUIREMENTS OF INFORMATION SYSTEMS (IS) RISK MANAGEMENT PROGRAM

CONDITION(S): Provided regulations, local policies, and references.

STANDARD(S): To ensure program meets the communication and information security needs, per the references.

PERFORMANCE STEPS:

1. Identify the components of an Information Systems Risk Management Program.

2. Identify the responsibilities of the IS Designating Approving Authority (DAA).

3. Identify the IS DAA.

4. Identify the Certifying Authority.

5. Identify the responsibilites of the Information Systems Security Manager (ISSM).

6. Identify the responsibilities of the Information Systems Security Officer (ISSO).

INITIAL TRAINING SETTING: FLC   Sustainment: 6   Req By: Sgt

REFERENCE(S):

1. DOD 5200.28, Security Requirements for Automated Information Systems (AIS)

2. DOD 5200.40, DOD Information Technology Security Certification and Accreditation Process (DITSCAP)

3. IRM-5239-13, System Security Plan

4. MCO 5230.1, Marine Corps Information Management Responsibilities

5. NAVSO P-5239-13, Certification and Accreditation Guidebook

6. NAVSO P-5239-16, Risk Assessment Guidebook

7. NAVSO P-5239-18, Security Test and Evaluation Guidebook

8. NCSC-TG-027, A Guide to Understanding Information Systems

9. SECNAVINST 5239.3, DON Information Systems Security (INFOSEC) Program

10. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0689.01.02 (CORE) DEVELOP A SYSTEMS SECURITY PLAN

CONDITION(S): Provided regulations, local policies, vendor product documentation, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1. Gather appropriate system information.

    2. Coordinate with appropriate personnel.

    3. Identify the level of information sensitivity.

    4. Identify the security measures required to safeguard the system.

    5. Prepare a systems security plan.

INITIAL TRAINING SETTING: FLC Sustainment: 3 Req By: Sgt

REFERENCE(S):

    1. IRM-5239-13, System Security Plan

    2. NAVSO P-5239-04, Information Systems Security Manager Guidebook

    3. OMB CIRCULAR A-130, Management of Federal Information Resources

    4. PUBLIC LAW 100-235, Computer Security Act of 1987

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TASK: 0689.01.03 (CORE) PERFORM RISK ASSESSMENT

CONDITION(S): Provided regulations, local policies, equipment inventories, facility blueprints, topological information, interviews with appropriate personnel, historical data on environment, equipment replacement cost, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1. Establish a risk assessment team.

    2. Gather appropriate systems information.

    3. Identify threats and vulnerabilities.

    4. Determine risk and potential loss.

    5. Identify possible requirements for additional countermeasures.

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ENCLOSURE (6)

6. Prepare a risk and analysis report.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

1. NAVSO P-5239-16, Risk Assessment Guidebook

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TASK: 0689.01.04 (CORE) DEVELOP INFORMATION ASSURANCE (IA) CONTINGENCY PLAN

CONDITION(S): Provided regulations, local policies, a risk assessment, a roster of key personnel, site regulations, and references.

STANDARD(S): To ensure restoration of processing capabilities, per the references.

PERFORMANCE STEPS:

1. Establish a contingency planning team.

2. Gather appropriate systems information.

3. Create an initial contingency plan.

4. Provide instruction to appropriate personnel.

5. Test the contingency plan.

6. Review and document test results.

7. Maintain the contingency plan.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

1. IRM-5239-08_, Computer Security Procedures

2. IRM-5239-09, Contingency Planning

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TASK: 0689.01.05 (CORE) PERFORM SECURITY TEST AND EVALUATION

CONDITION(S): Provided regulations, local policies, a risk assessment, contingency plan, systems security plan, and references.

STANDARD(S): To ensure compliance with communication and information security regulations and local policies, per the references.

PERFORMANCE STEPS:

1. Establish a security test and evaluation team.

2. Develop a test plan.

3. Conduct a test.

4. Review/Document test results.

5. Prepare a security test and evaluation report.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

1. U.S. Navy Security Test and Evaluation (ST&E) Handbook (2 Nov 87)

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TASK: 0689.01.06 (CORE PLUS) PERFORM ACCREDITATION PROCESS

CONDITION(S): Provided regulations, local policies, systems security plan, risk assessment, security test and evaluation report, contingency plan, data clarification level, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Complete Phase 1 (Definition) of the DOD Information Technology Security Certification and Accreditation Process (DITSCAP).

2. Complete Phase 2 of DITSCAP (Verification).

3. Complete Phase 3 of DITSCAP (Validation).

4. Complete Phase 4 of DITSCAP (Host Accredidation).

INITIAL TRAINING SETTING: MOJT Sustainment: 9 Req By: Sgt

REFERENCE(S):

1. DOD 5200.40, DOD Information Technology Security Certification and Accreditation Process (DITSCAP)

2. NAVSO P-5239-13, Certification and Accreditation Guidebook

3. NSCS-TG-029, Introduction to Certification and Accreditation (9/94)

4. NSCS-TG-030, A Guide to Understanding Covert Channel Analysis of Trusted Systems (11/93)

DUTY AREA 02 - SECURITY POLICIES AND PROCEDURES

TASK: 0689.02.01 (CORE) IMPLEMENT PHYSICAL SECURITY MEASURES FOR INFORMATION PROCESSING AREAS

CONDITION(S): Provided regulations, local policies, facility blueprints, documents appropriate to establish Tempest zones, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Review security regulations.

2. Conduct periodic phsyical security inspections of information processing areas.

3. Identify sensitive information processing areas.

4. Recommend physical access controls for information processing areas.

INITIAL TRAINING SETTING: FLC Sustainment: 3 Req By: Sgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. IRM-5239-08_, Computer Security Procedures

3. OPNAVINST 5530.18_, Department of the Navy Physical Security Program

4. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

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TASK: 0689.02.02 (CORE) IMPLEMENT MALICIOUS CODE PROTECTION PROGRAM

CONDITION(S): Provided regulations, local policies, vendor product documentation, and references.

STANDARD(S): To ensure communcation and information security, per the references.

PERFORMANCE STEPS:

1. Identify types of malicious code.

2. Ensure anti-virus software is installed and maintained.

3. Audit anti-virus software.

4. Recover from a malicious code attack.

5. Report a malicious code attack to the appropriate authorities.

INITIAL TRAINING SETTING: FLC Sustainment: 3 Req By: Sgt

Appendix V to
ENCLOSURE (6)

REFERENCE(S):

    1. Computer Security Basics, Deborah Russell and G.T. Gangemi Sr, O'Reilly and
    Associates, Inc., 1992

    2. CJCSI 6510.01_ W/CH1, Defense Information Operations

    3. IRM-5239-08_, Computer Security Procedures

    4. NAVSO P-5239-19, Computer Incident Response Guidebook

    5. NISTIR 4939, Threat Assessment of Malicious Code and External Attacks.

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TASK: 0689.02.03 (CORE) IMPLEMENT SENSITIVE DATA HANDLING PROCEDURES

CONDITION(S): Provided regulations, local policies, level of information sensitivities,
and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1. Review site requirements.

    2. Identify procedures for sensitive information marking.

    3. Identify procedures for sensitive information storage.

    4. Identify procedures for sensitive information disposition.

    5. Conduct periodic sensitive data handling procedures.

    6. Coordinate with appropriate personnel to ensure security controls are
    implemented.

    7. Ensure personnel security safeguards are implemented.

INITIAL TRAINING SETTING: FLC Sustainment: 3 Req By: Sgt

REFERENCE(S):

    1. EXECUTIVE ORDER 12958, Classified National Security Information

    2. IRM-5239-08_, Computer Security Procedures

    3. NAVSO P-5239-26, Security Guidebook

    4. NAVSO P-5510-22, Protected Distributed System Guidebook

    5. OPNAVINST 5510.39_, (Classified)

    6. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

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ENCLOSURE (6)

7. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0689.02.04 (CORE) PERFORM INCIDENT RESPONSE AND REPORTING

CONDITION(S): Provided regulations, local policies, risk assessment, data classification level, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

1. Conduct preliminary investigation of incident.

2. Notify the appropriate authority.

3. Assist in formal incident investigation.

4. Implement corrective actions.

5. Document incident, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 3 Req By: Sgt

REFERENCE(S):

1. CJCSI 6510.01_ W/CH1, Defense Information Operations

2. IRM-5239-08_, Computer Security Procedures

3. NAVSO P-5239-19, Computer Incident Response Guidebook

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TASK: 0689.02.05 (CORE) IMPLEMENT INFORMATION ASSURANCE (IA) TRAINING AND AWARENESS/CERTIFICATION PROGRAM

CONDITION(S): Provided regulations, local policies, and references.

STANDARD(S): To maximize the competency of the organization concerning information assurance and certification program, per the references.

PERFORMANCE STEPS:

1. Identify training requirements.

2. Gather appropriate and necessary training materials.

3. Review the training materials.

4. Prepare IA training and awareness/certification program.

5. Maintain a record of training.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

    1. IRM-5239-08_, Computer Security Procedures

    2. OMB CIRCULAR A-130, Management of Federal Information Resources

    3. PUBLIC LAW 100-235, Computer Security Act of 1987

    4. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

    5. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0689.02.06 (CORE PLUS) DEVELOP/EXECUTE LOCAL INFORMATION SECURITY (INFOSEC) POLICY

CONDITION(S): Provided regulations, local policies, risk assessment, security test and evaluation report, contingency plan, data classification level, and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1. Review existing local security policies.

    2. Identify local INFOSEC requirements.

    3. Implement the INFOSEC policy.

    4. Maintain local INFOSEC policy.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: SSgt

REFERENCE(S):

    1. NAVSO P-5239-16, Risk Assessment Guidebook

DUTY AREA 03 - NETWORK SYSTEMS SECURITY

TASK: 0689.03.01 (CORE) ENSURE COMPLIANCE WITH OPERATING SYSTEMS (OS) SECURITY CONTROLS

CONDITION(S): Provided regulations, local policies, vendor product documentation, network configuration, level of information sensitivity, and references.

STANDARD(S): To provide maximum protection of data and software confidentiality, integrity, availability, non-repudiation and authentication, per the references.

PERFORMANCE STEPS:

    1. Identify required levels of security.

    2. Identify implementation and administration responsibilities.

    3. Identify OS security control capabilities.

    4. Identify additional security controls.

    5. Ensure platform security controls are activated.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

    1. Computer Security Basics, Deborah Russell and G.T. Gangemi Sr, O'Reilly and Associates, Inc., 1992

    2. Practical Unix & Internet Security 2nd ed, Simson Garfinkel and Gene Spafford, O'Reilly and associates, Inc 1996

    3. Windows NT Security, Charles B. Rutstein, National Computer Security Association. Mcgraw Hill, 1997

    4. DOD 5200.28, Security Requirements for Automated Information Systems (AIS)

    5. DOD 5200.28-STD, DOD Trusted Computer System Evaluation Criteria

    6. IRM-5239-08_, Computer Security Procedures

    7. NAVSO 5239-15, Controlled Access Protection Guide

    8. NAVSO P-5239-08, Network Security Officer's Guidebook

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TASK: 0689.03.02 (CORE) ENSURE COMPLIANCE WITH POINT-OF-PRESENCE (POP) SECURITY CONTROLS

CONDITION(S): Provided regulations, local policies, vendor product documentation, and references.

STANDARD(S): To provide maximum data protection, integrity, availability, authenticity,

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ENCLOSURE (6)

non-repudiation, authentication and software confidentiality across the network, per the references.

PERFORMANCE STEPS:

    1. Identify site requirements for point of presence.

    2. Review existing guidance.

    3. Analyze network systems configurations.

    4. Analyze control alternatives.

    5. Select appropriate control alternative(s).

    6. Identify site specific encryption requirements.

    7. Ensure appropriate control method(s) are activated.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

    1. Computer Security Basics, Deborah Russell and G.T. Gangemi Sr, O'Reilly and Associates, Inc., 1992

    2. Practical Unix & Internet Security 2nd ed, Simson Garfinkel and Gene Spafford, O'Reilly and associates, Inc 1996

    3. IRM-5239-04, Local and Wide Area Networks

    4. IRM-5239-08_, Computer Security Procedures

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TASK: 0689.03.03 (CORE) ENSURE COMPLIANCE WITH SMALL COMPUTER SYSTEMS SECURITY CONTROLS

CONDITION(S): Provided regulations, local policies, vendor product documentation, and references.

STANDARD(S): To provide small computer systems security, per the references.

PERFORMANCE STEPS:

    1. Identify small computer systems assets.

    2. Identify unique threats to small computer systems.

    3. Analyze small computer systems controls.

    4. Implement small computer systems control measures.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

1. Computer Security Basics, Deborah Russell and G.T. Gangemi Sr, O'Reilly and Associates, Inc., 1992

2. IRM-5239-08_, Computer Security Procedures

3. IRM-5239-10, Small Computer System Security

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TASK: 0689.03.04 (CORE) ENSURE COMPLIANCE WITH APPLICATION-LEVEL SECURITY CONTROLS

CONDITION(S): Provided regulations, local policies, application documentation, network configuration, level of information sensitivity, and references.

STANDARD(S): To provide application software security and implement the software security requirements necessary for control access protection, level C2, per the references.

PERFORMANCE STEPS:

1. Identify required level of security.

2. Identify implementation and administration responsibilities.

3. Identify application security control capabilities.

4. Identify additional required security controls.

5. Ensure application security controls are activated.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: Sgt

REFERENCE(S):

1. Computer Security Basics, Deborah Russell and G.T. Gangemi Sr, O'Reilly and Associates, Inc., 1992

2. DOD 5200.28, Security Requirements for Automated Information Systems (AIS)

3. DOD 5200.28-STD, DOD Trusted Computer System Evaluation Criteria

4. IRM-5239-06, Data Access Security

5. IRM-5239-08_, Computer Security Procedures

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TASK: 0689.03.05 (CORE PLUS) PERFORM SYSTEM AUDITING

CONDITION(S): Provided regulations, local policies, vendor product documentation, and references.

STANDARD(S): To ensure site compliance with established security regulations and local policies, per the references.

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ENCLOSURE (6)

PERFORMANCE STEPS:

    1.   Identify security auditing requirements.

    2.   Identify system audit capabilities.

    3.   Ensure appropriate audit features and alarms are implemented.

    4.   Collect/Archive audit data.

    5.   Design/Devleop audit reports.

    6.   Review audit reports.

    7.   Take corrective action(s).

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: Sgt

REFERENCE(S):

    1.   Computer Security Basics, Deborah Russell and G.T. Gangemi Sr, O'Reilly and Associates, Inc., 1992

    2.   DOD 5200.28, Security Requirements for Automated Information Systems (AIS)

    3.   DOD 5200.28-STD, DOD Trusted Computer System Evaluation Criteria

    4.   IRM-5239-08_, Computer Security Procedures

    5.   NCSC-TG-001, A Guide to Understanding Audit in Trusted Systems

ADMINISTRATIVE INSTRUCTIONS: Operate Marine Corps authorized security packages.

Appendix V to
ENCLOSURE (6)

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

TASK: 0689.04.01 (CORE PLUS) MONITOR PHYSICAL SECURITY ENVIRONMENT

CONDITION(S): Provided security regulations, data center blueprints, any other documents appropriate to establishing tempest zones, and references.

STANDARD(S): To ensure compliance with security regulations, and provide a report as to the level of compliance, per the references.

PERFORMANCE STEPS:

1. Obtain/Review security regulations.

2. Conduct periodic inspection on compliance in physical security environment.

3. Prepare inspection report.

4. Distribute report to appropriate authority.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: SSgt

REFERENCE(S):

1. Rainbow Series, DoD Manuals CSC-STD-001 to CSC-STD-004

2. IRM 5510-01, Information Resources Management Data Access Security Manual

3. MCO 5510.14, Marine Corps ADP Security Manual

4. OPNAVINST 5239.1_, Navy Information Assurance (IA) Program

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TASK: 0689.04.02 (CORE PLUS) MONITOR SECURITY SYSTEM

CONDITION(S): Provided the site requirements, security regulations, the appropriate utility programs, the SMF files, the appropriate audit files, and references.

STANDARD(S): To ensure it is in compliance with security regulations, and provide a report as to the level of compliance, per the references.

PERFORMANCE STEPS:

1. Obtain/Review site requirements.

2. Perform required audits as specified in site requirements.

3. Distribute reports to appropriate personnel.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: GySgt

REFERENCE(S):

1. IRM 5510-01, Information Resources Management Data Access Security Manual

2. MCO 5510.14, Marine Corps ADP Security Manual

3. OPNAVINST 5239.1_, Navy Information Assurance (IA) Program

DUTY AREA 05 – COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

TASK: 0689.05.01 (CORE) TRAIN SECURITY ADMINISTRATORS

CONDITION(S): Provided the Terminal Area Security Officer's (TASO) Manual, appropriate training aids, and references.

STANDARD(S): To perform the minimum requirements of TASOs as defined by the TASO User's Manual, per the references.

PERFORMANCE STEPS:

    1.   Obtain/Review TASO manual.

    2.   Prepare/Review lesson plan.

    3.   Conduct training.

    4.   Conduct an evaluation on instructed individuals.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: Pvt

REFERENCE(S):

    1.   IRM 5510-01, Information Resources Management Data Access Security Manual

    2.   MCO 5510.14, Marine Corps ADP Security Manual

    3.   OPNAVINST 5239.1_, Navy Information Assurance (IA) Program

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TASK: 0689.05.02 (CORE) INSTRUCT PERSONNEL ON CONTINGENCY PLANS

CONDITION(S): Provided a current contingency plan, site regulations, corrective environment for instruction, and references.

STANDARD(S): To maximize the capabilities of the personnel, per the references.

PERFORMANCE STEPS:

    1.   Prepare/Review lesson.

    2.   Conduct instruction.

    3.   Test individuals.

    4.   Review results of test.

    5.   Critique individuals.

    6.   Prepare paper on results of test.

    7.   Distribute report to proper authorities.

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ENCLOSURE (6)

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: SSgt

REFERENCE(S):

    1. SOP, UNIT

    2. IRM 5510-04, ADP Contingency Planning

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TASK: 0689.05.03 (CORE PLUS) INSTRUCT PERSONNEL IN PHYSICAL SECURITY

CONDITION(S): Provided the security regulations, appropriate training aids, and references.

STANDARD(S): To ensure understanding of the basic physical security requirements, based upon knowledge extractor system utilizing comparison methodology, per the references.

PERFORMANCE STEPS:

    1. Obtain/Review security regulations.

    2. Prepare/Review lesson plan.

    3. Conduct training.

    4. Conduct an evaluation of instructed individuals.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: SSgt

REFERENCE(S):

    1. Rainbow Series, DoD Manuals CSC-STD-001 to CSC-STD-004

    2. IRM 5510-01, Information Resources Management Data Access Security Manual

    3. MCO 5510.14, Marine Corps ADP Security Manual

    4. OPNAVINST 5239.1_, Navy Information Assurance (IA) Program

MOS 0691, OPERATIONAL COMMUNICATIONS CHIEF

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

For a complete MOS 0691 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0691.01.01 (CORE) CREATE A COMMUNICATIONS INFORMATION SYSTEMS (CIS) PLAN

CONDITION(S): Provided a task organization, concept of operations, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Analyze CIS requirements.

2. Coordinate CIS requirements.

3. Employ Tactical Network Analysis and Planning System (TNAPS) for network design and engineering.

4. Draft the plan.

5. Submit the plan.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CJCSM 6231, Joint Tactical Communication Systems Manuals

3. DCAC 310-130-1, Defense Communications System Telecommunications Service Requests

4. DOI-103, DSSCS

5. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

6. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

7. JTC3A HDBK 8000, Joint Connectivity Book

8. MCWP 6-22, Communication and Information Systems

9. NWP-4, Basic Operational Communications Doctrine

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TASK: 0691.01.02 (CORE) CONDUCT CIS SITE SURVEY

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Conduct map reconnaissance.

    2. Conduct CIS site survey.

    3. Submit site reconnaissance report.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. MCWP 3-1, Ground Combat Operations

    3. MCWP 6-22, Communication and Information Systems

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TASK: 0691.01.03 (CORE) REVIEW AUTOMATED MESSAGE SYSTEM PLAN

CONDITION(S): Provided a task organization, the concept of operations, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Validate message routing plan.

    2. Validate communication center Emergency Action Plan (EAP).

    3. Validate communication guard shift.

    4. Validate Defense Message System (DMS) Integration plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. Appropriate Common Source Reference File (CSRF) Instructions

    3. Defense Information Systems (DISA) circulars

    4. ACP-121, Communications Instructions - General

5. ACP-131, Communications Instruction - Operating Procedures

6. CJCSM 6231, Joint Tactical Communication Systems Manuals

7. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

8. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

9. NTP-4, Naval Telecommunications Procedures/Fleet

10. TM 07737B-10/1, Systems Operation Manual, Communications Central AN/MSC-63

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TASK: 0691.01.04 (CORE) MANAGE CIS ADMINISTRATIVE FUNCTIONS

CONDITION(S): Provided administrative documents, forms, personnel, local policy, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Supervise personnel.

2. Maintain files and directives.

3. Monitor performance and evaluation system.

4. Ensure adherence to classified material handling system.

5. Ensure required reports are submitted on time.

6. Ensure correspondence prepared per current directives.

7. Ensure turnover folders and desktop procedures are maintained per current directives.

8. Maintain schedule of inspections.

9. Assist in budget preparation.

10. Draft unit's CIS SOP.

11. Ensure message handling procedures are per current directives.

12. Identify personnel shortages and overages.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

Appendix W to
ENCLOSURE (6)

2. MCO P4790.2, MIMMS Field Procedures Manual

3. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

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TASK: 0691.01.05 (CORE) VALIDATE TACTICAL SWITCHING SYSTEM PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure the plan meets the requirements, per the references.

PERFORMANCE STEPS:

1. Validate tactical switching system requirements.

2. Validate the key variable management plan for Unit Level Circuit Switch (ULCS) network.

3. Validate ULCS timing plan.

4. Validate the command's node plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. SPEED-SUM-001-ROCO Software User's Manual

2. ULCS Staff Planners Guide

3. FM 24-20, Tactical Wire and Cable Techniques

4. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

5. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

6. MCWP 6-22, Communication and Information Systems

7. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

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TASK: 0691.01.06 (CORE) ASSIST COMMANDER AND STAFF IN CIS PLANNING

CONDITION(S): Provided a CIS planning requirement and references.

STANDARD(S): To ensure reliable, secure, fast and flexible CIS, per the references.

PERFORMANCE STEPS:

1. Advise Commander/CIS Officer on requirements and capabilities.

Appendix W to
ENCLOSURE (6)

2. Draft CIS estimate.

3. Coordinate unit CIS requirements with staff.

4. Establish liaison with external agencies.

5. Draft Annex K.

6. Draft CIS letter of instruction (CIS LOI).

7. Prepare staff briefing on all aspects of CIS.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCWP 3-1, Ground Combat Operations

3. MCWP 6-22, Communication and Information Systems

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TASK: 0691.01.07 (CORE) VALIDATE SINGLE CHANNEL RADIO PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure the plan meets the requirements, per the references.

PERFORMANCE STEPS:

1. Validate CEOI requirements.

2. Validate retransmission requirements.

3. Validate Radio Wire Integration (RWI) plans.

4. Validate Electronic Remote Fill (ERF) update plan.

5. Ensure COMSEC procedures are adhered to.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. RBECS CEOI System

3. FM 24-18, Tactical Single Channel Radio Communications Techniques

4. MCWP 6-22, Communication and Information Systems

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Appendix W to
ENCLOSURE (6)

TASK: 0691.01.08 (CORE PLUS) CREATE AN ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS) INTEGRATION PLAN

CONDITION(S): Provided with a concept of operations, Commander's intent, and references.

STANDARD(S): To integrate the EPLRS Net Control Station into a Marine Air Ground Task Force or Joint Command and Control Network, per the references.

PERFORMANCE STEPS:

1.   Analyze concept of operations and Commanders intent.

2.   Consolidate user requirements.

3.   Plan for EPLRS equipment siting and installation.

4.   Identify transmission requirements.

5.   Coordinate EPLRS voice radio requirements.

6.   Request EPLRS frequencies for Position Location and, Identification, and Data communications nets.

7.   Draft the plan.

8.   Submit the plan.

INITIAL TRAINING SETTING: FLC   Sustainment: 12   Req By: GySgt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

TRAINING MATERIEL:

1.   * AN/TSQ-158 (V) 4 Net Control Station (EPLRS)

2.   * Computer Suite

3.   * Software

Appendix W to
ENCLOSURE (6)

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

For a complete task list for MOS 0691 include all of the tasks for the appropriate grade from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE.

TASK: 0691.02.01 (CORE) PERFORM COMMAND AND CONTROL (C2) SYSTEMS PLANNING

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible C2, per the references.

PERFORMANCE STEPS:

1. Analyze the concept of operations.

2. Conduct coordination with users, higher commands, subordinate commands, supporting units, and other services.

3. Determine system requirements.

4. Plan initial network configuration and changes to meet unit displacement factors, changes to the scheme of maneuver, and to overcome poor network performance.

5. Determine size, connectivity, and throughput.

6. Develop system block diagram.

7. Validate network timing plan.

8. Perform COMSEC planning.

9. Identify and allocate resources.

10. Coordinate between MAGTF levels and with higher headquarters to resolve network problems.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CJCSM 6231, Joint Tactical Communication Systems Manuals

3. MCWP 6-22, Communication and Information Systems

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TASK: 0691.02.02 (CORE PLUS) DIRECT INSTALLATION OF AN/TSQ-158(V)4 EPLRS NET CONTROL STATION NCS

CONDITION(S): Provided an EPLRS NCS and references.

STANDARD(S): To ensure proper installation of the EPLRS NCS, per the references.

PERFORMANCE STEPS:

    1. Assign personnel.

    2. Select site location.

    3. Inspect installation procedures.

    4. Inspect security procedures.

    5. Inspect safety procedures.

    6. Correct discrepancies.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5825-295-10, EPLRS

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TASK: 0691.02.03 (CORE PLUS) DIRECT EMPLOYMENT OF AN/TSQ-158(V)4 EPLRS NCS

CONDITION(S): Provided an installed EPLRS NCS and the references.

STANDARD(S): Ensure operation of the EPLRS NCS, per the references.

PERFORMANCE STEPS:

    1. Assess the requirements.

    2. Establish the watch schedule.

    3. Supervise the operation.

    4. Inspect operating procedures.

    5. Direct corrective actions.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: GySgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. TM 11-5825-295-10, EPLRS

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

For a complete task list for MOS 0691 include all of the tasks for the appropriate grade from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE.

TASK: 0691.03.01 (CORE) SUPERVISE CIRCUIT SWITCH OPERATIONS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible circuit switch operations, per the references.

PERFORMANCE STEPS:

    1. Review circuit switch data base

    2. Validate circuit switch data base.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. ULCS Staff Planners Guide

    3. CJCSM 6231, Joint Tactical Communication Systems Manuals

    4. FM 24-20, Tactical Wire and Cable Techniques

    5. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

    6. MCWP 6-22, Communication and Information Systems

    7. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

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TASK: 0691.03.02 (CORE) SUPERVISE EXECUTION OF TERRESTRIAL TRANSMISSION SYSTEMS PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible terrestrial transmission systems, per the references.

PERFORMANCE STEPS:

    1. Reconfigure external network interfaces, as required.

    2. Reconfigure network COMSEC functions, as required.

    3. Ensure adherence to network timing plan.

Appendix W to
ENCLOSURE (6)

    4. Update network planning data and reporting procedures, as required.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: MSgt

<u>REFERENCE(S):</u>

    1. Applicable Technical Publications/Manuals

    2. CJCSM 6231, Joint Tactical Communication Systems Manuals

    3. MCWP 6-22, Communication and Information Systems

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<u>TASK:</u> 0691.03.03 (CORE) SUPERVISE EXECUTION OF SINGLE CHANNEL RADIO PLAN

<u>CONDITION(S):</u> Provided planning documents, designated equipment, and references.

<u>STANDARD(S):</u> To provide reliable, secure, fast and flexible communication, per the references.

<u>PERFORMANCE STEPS:</u>

    1. Reconfigure system, as required.

    2. Ensure adherence to radio plan.

<u>INITIAL TRAINING SETTING:</u> FLC Sustainment: 12 Req By: MSgt

<u>REFERENCE(S):</u>

    1. Applicable Technical Publications/Manuals

    2. ACP-125, Communications Instruction for Radio Telephone Procedures

    3. ACP-131, Communications Instruction - Operating Procedures

    4. FM 24-18, Tactical Single Channel Radio Communications Techniques

    5. MCWP 6-22, Communication and Information Systems

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<u>TASK:</u> 0691.03.04 (CORE) SUPERVISE EXECUTION OF INFORMATION SYSTEMS NETWORK PLAN

<u>CONDITION(S):</u> Provided planning documents and references.

<u>STANDARD(S):</u> To provide reliable, secure, fast and flexible information systems networks, per the references.

<u>PERFORMANCE STEPS:</u>

    1. Validate information systems network plan.

Appendix W to
ENCLOSURE (6)

2.   Ensure adherence to routing plan between data network, various data exchange networks, and gateway access.

3.   Direct reconfiguration of information systems network, as required.

4.   Perform periodic inspections of CIS facility.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

2.   CJCSM 6231, Joint Tactical Communication Systems Manuals

3.   MCO P5230.14, Marine Corps Data Network (MCDN) Management and Control Manual

4.   MCWP 6-22, Communication and Information Systems

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TASK: 0691.03.05 (CORE) DIRECT CIS CONTROL OPERATIONS (TECHCON/SYSCON)

CONDITION(S): Provided CIS planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible CIS control operations, per the references.

PERFORMANCE STEPS:

1.   Review circuit activation and restoration priorities.

2.   Direct TECHCON/SYSCON efforts.

3.   Supervise the activation and deactivation of circuits.

4.   Supervise TNAPS data base.

5.   Brief CIS status, as required.

6.   Supervise and make emergency adjustments to existing CIS systems.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1.   Applicable Technical Publications/Manuals

2.   SOP, UNIT

3.   MCWP 6-22, Communication and Information Systems

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TASK: 0691.03.06 (CORE) SUPERVISE EMPLOYMENT OF SATELLITE TRANSMISSION SYSTEMS

Appendix W to
ENCLOSURE (6)

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible satellite transmission systems, per the references.

PERFORMANCE STEPS:

1. Coordinate with DISA and RSSC for satellite availability to meet requirements.

2. Validate the requirement.

3. Validate satellite access request (SAR) with DISA and RSSC.

4. Validate gateway access request (GAR) with DISA and RSSC.

5. Validate satellite access authorization (SAA) with DISA and RSSC.

6. Validate UHF Tactical Satellite (TACSAT) channel assignment request.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. DISANMOC CONNEX Plan

3. ASC-1, GMFSC Operator Procedures

4. ASC-3, GMFSC Management Policy and Procedures

5. CJCSM 6231, Joint Tactical Communication Systems Manuals

6. DCAC 310-130-1, Defense Communications System Telecommunications Service Requests

7. DOI-103, DSSCS

8. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

9. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

10. JTC3A HDBK 8000, Joint Connectivity Book

11. MCWP 6-22, Communication and Information Systems

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TASK: 0691.03.07 (CORE) MONITOR PERSONNEL GAINS/LOSSES

CONDITION(S): Provided a copy of the activity T/O, personnel roster, a list of personnel inbound/outbound, and references.

Appendix W to
ENCLOSURE (6)

STANDARD(S): To ensure personnel are properly joined, dropped, or transferred, per the references.

PERFORMANCE STEPS:

1. Contact the CMC (MMEA) regarding incoming personnel.

2. Ensure proficiency/conduct marks and fitness reports are properly submitted for transfer personnel.

3. Check-in all newly assigned personnel.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

TASK: 0691.03.08 (CORE) SUPERVISE EXECUTION OF CIS PLANS AND ORDERS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible CIS, per the references.

PERFORMANCE STEPS:

1. Ensure employment of CIS.

2. Coordinate, establish, and maintain CIS control.

3. Coordinate with joint CIS agencies, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CJCSM 6231, Joint Tactical Communication Systems Manuals

3. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

4. MCWP 6-22, Communication and Information Systems

TASK: 0691.03.09 (CORE PLUS) ENFORCE ADHERENCE TO COMSEC PROCEDURES

CONDITION(S): Provided appropriate directives and references.

STANDARD(S): To ensure communication and information security, per the references.

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ENCLOSURE (6)

PERFORMANCE STEPS:

1. Ensure physical, cryptographic, transmission, and emission security are maintained.

2. Establish COMSEC awareness training.

3. Report COMSEC violations.

4. Correct security violations.

5. Enforce command and control communication protection.

6. Review personnel security clearance and access.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: MGySgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CJCSM 6231, Joint Tactical Communication Systems Manuals

3. CMS-1_, COMSEC Material System Policy & Procedures Manual

4. MCWP 6-22, Communication and Information Systems

5. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

6. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

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TASK: 0691.03.10 (CORE PLUS) MONITOR INTERNAL CORRESPONDENCE

CONDITION(S): Provided correspondence and references.

STANDARD(S): To ensure appropriate action is taken by the proper section/work center, per the references.

PERFORMANCE STEPS:

1. Review messages from communication center or through the guard mail.

2. Assign action to appropriate section and completion date.

3. Date/Route to appropriate section.

4. Maintain file copy of route data.

5. Monitor progress, action must be completed by the due date.

6. Maintain file copy of completed action.

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ENCLOSURE (6)

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. NTP-3, Plain Language Address Directory (PLAD)

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

For a complete task list for MOS 0691 include all of the tasks for the appropriate grade from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE.

TASK: 0691.04.01 (CORE) INSPECT FUNCTIONAL AREAS

CONDITION(S): Provided checklist and references.

STANDARD(S): To ensure adherence to procedures/regulations and unit SOP, per the references.

PERFORMANCE STEPS:

1. Schedule inspection of all functional areas.

2. Execute the inspection process.

3. Identify type of discrepencies.

4. Ensure corrective action.

5. Re-inspect, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. MCO P4790.2, MIMMS Field Procedures Manual

4. TM 4700-15/1, Equipment Record Procedures

5. TM 4790.2_, MIMMS Field Procedures Manual

6. UM 4790-5, MIMMS (AIS) FMSS

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TASK: 0691.04.02 (CORE) DETERMINE NEED FOR MODIFICATION OF ALLOWANCE (MOA)

CONDITION(S): Provided a units T/O&E and references.

STANDARD(S): To ensure mission and operational requirements are met, per the references.

PERFORMANCE STEPS:

1. Analyze mission and operational requirement.

2. Review unit TO/TE and MAL.

Appendix W to
ENCLOSURE (6)

6-W-16

3. Identify discrepencies.

4. Submit modification request.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCO P4790.2, MIMMS Field Procedures Manual

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ENCLOSURE (6)

MOS 0699, COMMUNICATIONS INFORMATION SYSTEMS CHIEF

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

For a complete MOS 0699 task list, add appropriate grade-level tasks from MOS 0600, BASIC COMMUNICATION INFORMATION SYSTEMS MARINE to the following tasks.

TASK: 0699.01.01 (CORE) DRAFT COMMUNICATIONS INFORMATION SYSTEMS (CIS) PLAN

CONDITION(S): Provided a task organization, concept of operations, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Analyze CIS requirements.

    2. Coordinate CIS requirements.

    3. Employ Tactical Network Analysis and Planning System (TNAPS) for network design and engineering.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. CJCSM 6231, Joint Tactical Communication Systems Manuals

    3. DCAC 310-130-1, Defense Communications System Telecommunications Service Requests

    4. DOI-103, DSSCS

    5. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

    6. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

    7. JTC3A HDBK 8000, Joint Connectivity Book

    8. MCWP 6-22, Communication and Information Systems

    9. NWP-4, Basic Operational Communications Doctrine

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TASK: 0699.01.02 (CORE) CONDUCT CIS SITE SURVEY

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the

references.

PERFORMANCE STEPS:

    1.   Conduct map reconnaissance.

    2.   Conduct CIS site survey.

    3.   Submit site reconnaissance report.

INITIAL TRAINING SETTING: FLC   Sustainment: 6 Req By: MSgt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   MCWP 3-1, Ground Combat Operations

    3.   MCWP 6-22, Communication and Information Systems

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TASK: 0699.01.03 (CORE) REVIEW AUTOMATED MESSAGE SYSTEM PLAN

CONDITION(S): Provided a task organization, the concept of operations, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1.   Validate message routing plan.

    2.   Validate communication center Emergency Action Plan (EAP).

    3.   Validate communication guard shift.

    4.   Validate Defense Message System (DMS) Integration plan.

INITIAL TRAINING SETTING: FLC   Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1.   Applicable Technical Publications/Manuals

    2.   Appropriate Common Source Reference File (CSRF) Instructions

    3.   Defense Information Systems (DISA) circulars

    4.   ACP-121, Communications Instructions - General

    5.   ACP-131, Communications Instruction - Operating Procedures

    6.   CJCSM 6231, Joint Tactical Communication Systems Manuals

Appendix X to
ENCLOSURE (6)

7. JANAP 128, Automatic Digital Network (AUTODIN) Operating Procedures

8. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

9. NTP-4, Naval Telecommunications Procedures/Fleet

10. TM 07737B-10/1, Systems Operation Manual, Communications Central AN/MSC-63

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TASK: 0699.01.04 (CORE) MANAGE CIS ADMINISTRATIVE FUNCTIONS

CONDITION(S): Provided administrative documents, forms, personnel, local policy, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

1. Supervise personnel.

2. Maintain files and directives.

3. Monitor performance and evaluation system.

4. Ensure adherence to classified material handling system.

5. Ensure required reports are submitted on time.

6. Ensure correspondence prepared per current directives.

7. Ensure turnover folders and desktop procedures are maintained per current directives.

8. Maintain schedule of inspections.

9. Assist in budget preparation.

10. Draft unit's CIS SOP.

11. Ensure message handling procedures are per current directives.

12. Identify personnel shortages and overages.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCO P4790.2, MIMMS Field Procedures Manual

3. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

Appendix X to
ENCLOSURE (6)

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TASK: 0699.01.05 (CORE) VALIDATE TACTICAL SWITCHING SYSTEM PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure the plan meets the requirements, per the references.

PERFORMANCE STEPS:

1. Validate tactical switching system requirements.

2. Validate the key variable management plan for Unit Level Circuit Switch (ULCS) network.

3. Validate ULCS timing plan.

4. Validate the command's node plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. SPEED-SUM-001-ROCO Software User's Manual

2. ULCS Staff Planners Guide

3. FM 24-20, Tactical Wire and Cable Techniques

4. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

5. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

6. MCWP 6-22, Communication and Information Systems

7. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

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TASK: 0699.01.06 (CORE) ASSIST COMMANDER AND STAFF IN CIS PLANNING

CONDITION(S): Provided a communication planning requirement and references.

STANDARD(S): To ensure reliable, secure, fast and flexible CIS, per the references.

PERFORMANCE STEPS:

1. Advise Commander/CIS Officer on requirements and capabilities.

2. Draft CIS estimate.

3. Coordinate unit CIS requirements with staff.

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ENCLOSURE (6)

4. Establish liaison with external agencies.

5. Draft Annex K.

6. Draft CIS letter of instruction (CIS LOI).

7. Prepare staff briefing on all aspects of CIS.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCWP 3-1, Ground Combat Operations

3. MCWP 6-22, Communication and Information Systems

_____

TASK: 0699.01.07 (CORE) VALIDATE SINGLE CHANNEL RADIO PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure the plan meets the requirements, per the references.

PERFORMANCE STEPS:

1. Validate CEOI requirements.

2. Validate retransmission requirements.

3. Validate Radio Wire Integration (RWI) plans.

4. Validate Electronic Remote Fill (ERF) update plan.

5. Ensure COMSEC procedures are adhered to.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. RBECS CEOI System

3. FM 24-18, Tactical Single Channel Radio Communications Techniques

4. MCWP 6-22, Communication and Information Systems

_____

TASK: 0699.01.08 (CORE PLUS) PLAN INTEGRATION OF ENHANCED POSITION LOCATION AND
REPORTING SYSTEM (EPLRS)

Appendix X to
ENCLOSURE (6)

6-X-5

CONDITION(S): Provided with the concept of operations, Commander's intent, and references.

STANDARD(S): To participate with the planning functions required to integrate EPLRS Net Control Station into a Marine Air Ground Task Force or Joint Command and Control Network, per the reference.

PERFORMANCE STEPS:

1. Analyze concept of operations and Commander's intent.

2. Consolidate user requirements.

3. Plan for EPLRS equipment siting and installation.

4. Identify transmission requirements.

5. Coordinate EPLRS voice radio requirements.

6. Request EPLRS frequencies for Position Location and, Identification, and Data communications nets.

7. Draft the plan.

8. Submit the plan for review.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

Appendix X to
ENCLOSURE (6)

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

TASK: 0699.02.01 (CORE) PERFORM COMMAND AND CONTROL (C2) SYSTEMS PLANNING

CONDITION(S): Provided planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible C2, per the references.

PERFORMANCE STEPS:

    1. Analyze the concept of operations.

    2. Conduct coordination with users, higher commands, subordinate commands, supporting units, and other services.

    3. Determine system requirements.

    4. Plan initial network configuration and changes to meet unit displacement factors, changes to the scheme of maneuver, and to overcome poor network performance.

    5. Determine size, connectivity, and throughput.

    6. Develop system block diagram.

    7. Validate network timing plan.

    8. Perform COMSEC planning.

    9. Identify/Allocate resources.

    10. Coordinate between MAGTF levels and with higher headquarters to resolve network problems.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. CJCSM 6231, Joint Tactical Communication Systems Manuals

    3. MCWP 6-22, Communication and Information Systems

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TASK: 0699.02.02 (CORE PLUS) DIRECT INSTALLATION OF AN/TSQ-158(V)4 EPLRS NET CONTROL STATION NCS

CONDITION(S): Provided an EPLRS NCS and references.

STANDARD(S): To ensure proper installation of the EPLRS NCS, per the references.

PERFORMANCE STEPS:

   1. Assign personnel.

   2. Select site location.

   3. Inspect installation procedures.

   4. Inspect security procedures.

   5. Inspect safety procedures.

   6. Correct discrepancies.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: GySgt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. TM 11-5825-295-10, EPLRS

_____

TASK: 0699.02.03 (CORE PLUS) DIRECT EMPLOYMENT OF AN/TSQ-158(V)4 EPLRS NCS

CONDITION(S): Provided an installed EPLRS NCS and the references.

STANDARD(S): Ensure operation of the EPLRS NCS, per the references.

PERFORMANCE STEPS:

   1. Assess the requirements.

   2. Establish the watch schedule.

   3. Supervise the operation.

   4. Inspect operating procedures.

   5. Direct corrective actions.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: GySgt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. TM 11-5825-295-10, EPLRS

TRAINING MATERIEL:

   1. * AN/TSQ-158 (V) 4 Net Control Station (EPLRS)

   2. * Computer Suite

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ENCLOSURE (6)

3. * Software

3. * Software

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

TASK: 0699.03.01 (CORE) SUPERVISE CIRCUIT SWITCH OPERATIONS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible circuit switch operations, per the references.

PERFORMANCE STEPS:

    1. Review circuit switch data base

    2. Validate circuit switch data base.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. ULCS Staff Planners Guide

    3. CJCSM 6231, Joint Tactical Communication Systems Manuals

    4. FM 24-20, Tactical Wire and Cable Techniques

    5. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

    6. MCWP 6-22, Communication and Information Systems

    7. TM 08440A-12/2-2, System Interface Manual Central Office Telephone Automatic AN/TTC-42

_____

TASK: 0699.03.02 (CORE) SUPERVISE EXECUTION OF TERRESTRIAL TRANSMISSION SYSTEMS PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible terrestrial transmission systems, per the references.

PERFORMANCE STEPS:

    1. Reconfigure external network interfaces, as required.

    2. Reconfigure network COMSEC functions, as required.

    3. Ensure adherence to network timing plan.

    4. Update network planning data and reporting procedures, as required.

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ENCLOSURE (6)

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. CJCSM 6231, Joint Tactical Communication Systems Manuals

    3. MCWP 6-22, Communication and Information Systems

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TASK: 0699.03.03 (CORE) SUPERVISE EXECUTION OF SINGLE CHANNEL RADIO PLAN

CONDITION(S): Provided planning documents, designated equipment, and references.

STANDARD(S): To provide reliable, secure, fast and flexible communication, per the references.

PERFORMANCE STEPS:

    1. Reconfigure system, as required.

    2. Ensure adherence to radio plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. ACP-125, Communications Instruction for Radio Telephone Procedures

    3. ACP-131, Communications Instruction - Operating Procedures

    4. FM 24-18, Tactical Single Channel Radio Communications Techniques

    5. MCWP 6-22, Communication and Information Systems

TRAINING MATERIEL:

    1. Radio Equipment, as applicable

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TASK: 0699.03.04 (CORE) SUPERVISE EXECUTION OF INFORMATION SYSTEMS NETWORK PLAN

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible information systems networks, per the references.

PERFORMANCE STEPS:

    1. Validate information systems network plan.

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ENCLOSURE (6)

    2. Ensure adherence to routing plan between data network, various data exchange networks, and gateway access.

    3. Direct reconfiguration of information systems network, as required.

    4. Perform periodic inspections of CIS facility.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. CJCSM 6231, Joint Tactical Communication Systems Manuals

    3. MCO P5230.14, Marine Corps Data Network (MCDN) Management and Control Manual

    4. MCWP 6-22, Communication and Information Systems

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TASK: 0699.03.05 (CORE) DIRECT CIS CONTROL OPERATIONS (TECHCON/SYSCON)

CONDITION(S): Provided CIS planning documents and references.

STANDARD(S): To ensure reliable, secure, fast and flexible CIS control operations, per the references.

PERFORMANCE STEPS:

    1. Review circuit activation and restoration priorities.

    2. Direct TECHCON/SYSCON efforts.

    3. Supervise the activation and deactivation of circuits.

    4. Supervise TNAPS data base.

    5. Brief CIS status, as required.

    6. Supervise/Make emergency adjustments to existing CIS systems.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. SOP, UNIT

    3. MCWP 6-22, Communication and Information Systems

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Appendix X to
ENCLOSURE (6)

TASK: 0699.03.06 (CORE) SUPERVISE EMPLOYMENT OF SATELLITE TRANSMISSION SYSTEMS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible satellite transmission systems, per the references.

PERFORMANCE STEPS:

1. Coordinate with DISA and RSSC for satellite availability to meet requirements.

2. Validate the requirement.

3. Validate satellite access request (SAR) with DISA and RSSC.

4. Validate gateway access request (GAR) with DISA and RSSC.

5. Validate satellite access authorization (SAA) with DISA and RSSC.

6. Validate UHF Tactical Satellite (TACSAT) channel assignment request.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. DISANMOC CONNEX Plan

3. ASC-1, GMFSC Operator Procedures

4. ASC-3, GMFSC Management Policy and Procedures

5. CJCSM 6231, Joint Tactical Communication Systems Manuals

6. DCAC 310-130-1, Defense Communications System Telecommunications Service Requests

7. DOI-103, DSSCS

8. JCTC3A SPEC 9115, Technical Interface Specifications for DSN to Tactical Analog Gateways

9. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

10. JTC3A HDBK 8000, Joint Connectivity Book

11. MCWP 6-22, Communication and Information Systems

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TASK: 0699.03.07 (CORE) MONITOR PERSONNEL GAINS/LOSSES

CONDITION(S): Provided a copy of the activity T/O, personnel roster, a list of personnel inbound/outbound, and references.

STANDARD(S): To ensure personnel are properly joined, dropped, or transferred, per the references.

PERFORMANCE STEPS:

1. Contact the CMC (MMEA) regarding incoming personnel.

2. Ensure proficiency/conduct marks and fitness reports are properly submitted for transfer personnel.

3. Check-in all newly assigned personnel.

INITIAL TRAINING SETTING: FLC Sustainment: 6 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

TASK: 0699.03.08 (CORE) SUPERVISE EXECUTION OF CIS PLANS AND ORDERS

CONDITION(S): Provided planning documents and references.

STANDARD(S): To provide reliable, secure, fast and flexible CIS, per the references.

PERFORMANCE STEPS:

1. Ensure employment of CIS.

2. Coordinate CIS control.

3. Establish CIS control.

4. Maintain CIS control.

5. Coordinate with joint CIS agencies, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CJCSM 6231, Joint Tactical Communication Systems Manuals

3. JT PUB SERIES 6-05, Manual for Employment of Joint Tactical Communications

4. MCWP 6-22, Communication and Information Systems

Appendix X to
ENCLOSURE (6)

TASK: 0699.03.09 (CORE PLUS) ENFORCE ADHERENCE TO COMSEC PROCEDURES

CONDITION(S): Provided appropriate directives and references.

STANDARD(S): To ensure communication and information security, per the references.

PERFORMANCE STEPS:

    1. Ensure physical, cryptographic, transmission, and emission security are maintained.

    2. Establish COMSEC awareness training.

    3. Report COMSEC violations.

    4. Correct security violations.

    5. Enforce command and control communication protection.

    6. Review personnel security clearance and access.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: MGySgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. CJCSM 6231, Joint Tactical Communication Systems Manuals

    3. CMS-1_, COMSEC Material System Policy & Procedures Manual

    4. MCWP 6-22, Communication and Information Systems

    5. NAG-16, Field Generation and Over-the-Air Distribution of COMSEC KEY in Support of Tactical Ops and Exercises

    6. SECNAVINST 5510.30_, Department of the Navy Personal Security Program

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TASK: 0699.03.10 (CORE PLUS) MONITOR INTERNAL CORRESPONDENCE

CONDITION(S): Provided correspondence and references.

STANDARD(S): To ensure appropriate action is taken by the proper section/work center, per the references.

PERFORMANCE STEPS:

    1. Review messages from communication center or through the guard mail.

    2. Assign action to appropriate section and completion date.

    3. Date and route to appropriate section.

    4. Maintain file copy of route data.

    5. Monitor progress, action must be completed by the due date.

    6. Maintain file copy of completed action.

INITIAL TRAINING SETTING: MOJT Sustainment: 6 Req By: MSgt

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. NTP-3, Plain Language Address Directory (PLAD)

Appendix X to
ENCLOSURE (6)

DUTY AREA 04 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

TASK: 0699.04.01 (CORE) INSPECT FUNCTIONAL AREAS

CONDITION(S): Provided checklist and references.

STANDARD(S): To ensure adherence to procedures/regulations and unit SOP, per the references.

PERFORMANCE STEPS:

1. Schedule inspection of all functional areas.

2. Execute the inspection process.

3. Identify type of discrepencies.

4. Ensure corrective action.

5. Re-inspect, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SOP, UNIT

3. MCO P4790.2, MIMMS Field Procedures Manual

4. TM 4700-15/1, Equipment Record Procedures

5. TM 4790.2_, MIMMS Field Procedures Manual

6. UM 4790-5, MIMMS (AIS) FMSS

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TASK: 0699.04.02 (CORE) DETERMINE NEED FOR MODIFICATION OF ALLOWANCE (MOA)

CONDITION(S): Provided a units T/O + E and references.

STANDARD(S): To ensure mission and operational requirements are met, per the references.

PERFORMANCE STEPS:

1. Analyze mission and operational requirement.

2. Review unit TO/TE and MAL.

3. Identify discrepencies.

4. Submit modification request.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: MSgt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. MCO P4790.2, MIMMS Field Procedures Manual

MCO 1510.118
24 JAN 01

SUMMARY/INDEX OF INDIVIDUAL TRAINING STANDARDS BY SPECIFIC CATEGORY (MOJT, DL, PST)

1. This enclosure summarizes the Individual Training Standards (ITS) according to three categories:

    Appendix A: ITSs Trained via Managed On-The-Job Training (MOJT)

    Appendix B: ITSs Supported by Distance Learning (DL) Products

    Appendix C: ITSs Supported by Performance Support Tools (PST)

2. If no information is applicable to a category, the appendix will include a statement to that effect.

3. Format. The columns in each appendix are as follows:

    a. SEQ. Sequence Number. This number dictates the order in which tasks for a given duty area are displayed.

    b. TASK. ITS Designator. This is the permanent designator assigned to the task when it is created.

    c. TITLE. ITS Task Title.

    d. CORE. An "X" appears in this column when the task is designated as a "core" task required to "make" a Marine or qualify that Marine for the appropriate MOS. The absence of an "X" indicates that this is an advanced ("core plus") task that is mission, grade, or billet specific.

    e. FLC. Functional Learning Center. An "X" appears in this column when the FLC is designated as the initial training setting. The absence of an "X" indicates that the initial training is accomplished through Managed On-The-Job Training (MOJT).

    f. DL. Distance Learning (DL) Product. An "X" in this column indicates that at least one DL product is associated with this task. Consult enclosure (6) for details.

    g. PST. Performance Support Tool (PST). An "X" in this column indicates that at least one PST is associated with this task. Consult enclosure (6) for details.

    h. SUS. Sustainment Training Period. An entry in this column represents the number of months between evaluation or retraining by the unit to maintain the proficiency required by the standard, provided the task supports the unit's METL.

    i. REQ BY. Required By. An entry in this column depicts the lowest grade required to demonstrate proficiency in this task.

    j. PAGE. Page Number. This column lists the number of the page in enclosure (6) that contains detailed information concerning this task.

ENCLOSURE (7)

1

INDIVIDUAL TRAINING STANDARDS TRAINED VIA MANAGED ON-THE-JOB TRAINING

This appendix includes a summary listing of all ITS tasks planned for initial Managed On-The-Job Training (MOJT). They are grouped by MOS and Duty Area.

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SEQ TASK        TITLE                                CORE FLC DL  PST SUS REQ BY PAGE
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MOS 0600, Basic Communications Information Systems Marine

DUTY AREA 01 – COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

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 3) 0600.01.03 CREATE A COMMUNICATION PLAN USING THE        12 SSgt   6-A-2
               TACTICAL NETWORK AND PLANNING SYSTEM
               (TNAPS)
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DUTY AREA 02 – COMMUNICATION INFORMATION SYSTEMS INSTALLATION

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 5) 0600.02.05 CAMOUFLAGE COMMUNICATIONS EQUIPMENT           6 Pvt    6-A-6
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DUTY AREA 03 – COMMUNICATION INFORMATION SYSTEMS OPERATIONS

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 3) 0600.03.03 PERFORM OVER-THE-AIR REKEY/OVER-THE-AIR      12 SSgt   6-A-8
               TRANSMISSION (OTAR/OTAT)
 4) 0600.03.04 OPERATE AN/CYZ-10                            12 Pvt    6-A-8
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DUTY AREA 04 – COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

```
 4) 0600.04.04 PREPARE AN EQUIPMENT REPAIR ORDER (ERO)      12 LCpl   6-A-12
 5) 0600.04.05 PERFORM OPERATOR LEVEL PREVENTIVE             6 Pvt    6-A-13
               MAINTENANCE (PM) ON COMMUNICATION MOTOR
               TRANSPORT ASSETS
 6) 0600.04.06 PROCESS TROUBLE CALL                         12 Pvt    6-A-14
 7) 0600.04.07 WEATHERPROOF COMMUNICATIONS EQUIPMENT         3 PFC    6-A-14
 8) 0600.04.08 PROPERLY HANDLE AND STORE BATTERIES           6 Cpl    6-A-15
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DUTY AREA 05 – COMMUNICATION INFORMATION SYSTEMS SUPERVISION

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 2) 0600.05.02 SUPERVISE MAINTENANCE OF MOTOR TRANSPORT     12 SSgt   6-A-17
               ASSETS IN A COMMUNICATION SECTION
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DUTY AREA 06 – COMMUNICATION INFORMATION SYSTEMS EMBARKATION AND TRANSPORT

```
 1) 0600.06.01 EMBARK COMMUNICATIONS ASSETS                 12 Pvt    6-A-19
 2) 0600.06.02 SUPERVISE EMBARKATION OF COMMUNICATIONS      12 Sgt    6-A-20
               ASSETS
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DUTY AREA 07 – COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

```
 1) 0600.07.01 CONDUCT MANAGED-ON-THE-JOB TRAINING          12 SSgt   6-A-21
               (MOJT)
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Appendix A to
ENCLOSURE (7)

SEQ TASK   TITLE   CORE FLC DL PST SUS REQ BY PAGE

2) 0600.07.02 CONDUCT MILITARY OCCUPATIONAL SPECIALTY   12 Cpl   6-A-21
              (MOS) SKILL PROGRESSION TRAINING

                    MOS 0612, Field Wireman

DUTY AREA 01 - OPERATIONAL CABLE/WIRE/FIBER CONNECTIVITY

 9) 0612.01.09 CLIMB/DESCEND POLE/TREE UTILIZING LC-240   12 Pvt   6-B-7
              CLIMBING EQUIPMENT
10) 0612.01.10 INSTALL TSEC/HYX-57 WIRELINE ADAPTOR   12 Pvt   6-B-8

DUTY AREA 02 - OPERATIONAL SECURE WIRE CONNECTIVITY

 3) 0612.02.03 INSTALL STU-III/STE/MMT-1500   12 PFC   6-B-12

DUTY AREA 03 - OPERATIONAL SWITCHBOARD

11) 0612.03.11 INSTALL SB-22/PT MANUAL TELEPHONE   12 Pvt   6-B-21
              SWITCHBOARD
12) 0612.03.12 OPERATE SB-22/PT MANUAL SWITCHBOARD   12 Pvt   6-B-22
13) 0612.03.13 PERFORM INSTALLER/MAINTAINER MAINTENANCE   12 Pvt   6-B-23
              ON THE SWITCHBOARD, TELEPHONE, AUTOMATIC
              SB-3865(P)/TTC

DUTY AREA 04 - OPERATIONAL AUXILLARY DEVICES

 5) 0612.04.05 INSTALL TA-977/PT TONE SIGNALING ADAPTOR   12 Pvt   6-B-27
              TO SB-22/PT MANUAL SWITCHBOARD
 6) 0612.04.06 INSTALL THE HYP-71   12 PFC   6-B-28
 7) 0612.04.07 INSTALL C-6709/G RADIO SET CONTROL   12 Pvt   6-B-28

                    MOS 0613, Construction Wireman

DUTY AREA 01 - CABLE SYSTEM CONSTRUCTION

 7) 0613.01.07 PLAN A COMMERCIAL CABLE SYSTEM   12 Sgt   6-C-5
 8) 0613.01.08 RECOVER COMMERCIAL CABLE   12 LCpl   6-C-5
 9) 0613.01.09 DIRECT CONSTRUCTION OF OVERHEAD CABLE   12 Cpl   6-C-6
              SYSTEM
10) 0613.01.10 CLEAR BLOCKED CONDUITS USING ROD KITS   12 Pvt   6-C-7
              AND REAMERS

DUTY AREA 02 - EQUIPMENT OPERATION

 6) 0613.02.06 SET POLES USING M-876 TELEPHONE   12 Pvt   6-C-11
              MAINTENANCE TRUCK
 7) 0613.02.07 CUT ASPHALT AND CONCRETE USING PIONJAR   12 Pvt   6-C-12
 8) 0613.02.08 CUT TELEPHONE POLES USING CHAIN SAW   12 Pvt   6-C-12
 9) 0613.02.09 SUPERVISE THE OPERATION OF K-37   12 Cpl   6-C-13
              CABLE/POLE TRAILER
10) 0613.02.10 OPERATE M-876 TELEPHONE MAINTENANCE   12 Pvt   6-C-14
              TRUCK UNDER UNUSUAL CONDITIONS

Appendix A to
ENCLOSURE (7)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
11) 0613.02.11	PULL POLES USING M-876 TELEPHONE MAINTENANCE TRUCK					12	Pvt	6-C-15
12) 0613.02.12	POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR AUGERING					12	Pvt	6-C-15
13) 0613.02.13	POSITION M-876 TELEPHONE MAINTENANCE TRUCK FOR OVERHEAD WORK					12	Pvt	6-C-16

MOS 0614, Unit Level Circuit Switch Operator

DUTY AREA 01 - OPERATIONAL DIGITAL SWITCH

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
7) 0614.01.07	PERFORM SUPERVISOR OPERATING/INDEX PROCEDURES ON CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)					12	Sgt	6-D-5
8) 0614.01.08	ASSIST UNIT LEVEL CIRCUIT SWITCH (ULCS) PLANNER WITH ULCS PLANNING					12	Sgt	6-D-6

DUTY AREA 03 - OPERATIONAL AUXILIARY DIGITAL SWITCH

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
5) 0614.03.05	PERFORM OPERATOR/MAINTAINER MAINTENANCE ON THE CENTRAL OFFICE, TELEPHONE, AUTOMATIC AN/TTC-42(V)					12	Pvt	6-D-12

MOS 0619, Wire Chief

DUTY AREA 01 - COMMUNICATION INFORMATION SYSTEMS SUPPORT PLANNING

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
9) 0619.01.09	PLAN A COMMERCIAL CABLE SYSTEM					12	Sgt	6-E-7

DUTY AREA 02 - WIRE SYSTEM INSTALLATION SUPERVISION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0619.02.01	SUPERVISE INSTALLATION OF WIRE SYSTEM					12	Sgt	6-E-8
2) 0619.02.02	SUPERVISE OPERATION OF WIRE/CABLE SYSTEM					12	Sgt	6-E-8

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0619.03.01	SUPERVISE WIRE COMMUNICATION TRAINING PROGRAM					12	SSgt	6-E-10

MOS 0621, Field Radio Operator

DUTY AREA 01 - COMMUNICATION SYSTEMS INSTALLATION

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
13) 0621.01.13	INSTALL AN/VRC-83 RADIO SET					12	Pvt	6-F-11
14) 0621.01.14	INSTALL AN/UXC-7A TACTICAL FACSIMILE SET					12	Pvt	6-F-11
15) 0621.01.15	INSTALL AN AN/PSC-2 DIGITAL COMMUNICATIONS TERMINAL					12	Pvt	6-F-12
16) 0621.01.16	INSTALL UHF MANPACK TACTICAL SATELLITE TERMINAL					12	Pvt	6-F-13
17) 0621.01.17	INSTALL AN/MRC-140					12	Pvt	6-F-14
18) 0621.01.18	CONSTRUCT FIELD EXPEDIENT ANTENNA					12	Pvt	6-F-15

Appendix A to
ENCLOSURE (7)

SEQ TASK   TITLE   CORE FLC DL PST SUS REQ BY PAGE

DUTY AREA 02 - COMMUNICATION SYSTEMS OPERATION

12) 0621.02.12 OPERATE UHF MANPACK TACTICAL SATELLITE   12 Pvt   6-F-24
                TERMINAL
13) 0621.02.13 OPERATE AN/MRC-140   12 Pvt   6-F-24
14) 0621.02.14 MAINTAIN CIRCUIT LOGS   12 Pvt   6-F-25
15) 0621.02.15 OPERATE AN/PSC-2 DIGITAL COMMUNICATION   12 Pvt   6-F-26
                TERMINAL
16) 0621.02.16 OPERATE AN/PPN-19 RADAR BEACON   12 Pvt   6-F-26
17) 0621.02.17 OPERATE AN/PRC-68A/KYV-2 RADIO SET   12 Pvt   6-F-27
18) 0621.02.18 OPERATE TSEC/KYX-15A NET CONTROL DEVICE   12 Pvt   6-F-28
19) 0621.02.19 OPERATE AN/UXC-7A TACTICAL FACSIMILE SET   12 Pvt   6-F-28
20) 0621.02.20 OPERATE TSEC/KY-99 COMMUNICATIONS   12 Pvt   6-F-29
                SECURITY EQUIPMENT
21) 0621.02.21 OPERATE INTERNATIONAL MARITIME SATELLITE   12 Cpl   6-F-29
                (INMARSAT) TERMINAL
22) 0621.02.22 ESTABLISH ELECTRONIC PROTECTION (EP)   12 Pvt   6-F-30

DUTY AREA 03 - COMMUNICATION SYSTEMS SUPERVISION

 1) 0621.03.01 DIRECT OPERATION OF SINGLE CHANNEL RADIO   12 Cpl   6-F-32
                PLAN

DUTY AREA 04 - VEHICLE OPERATIONS

 6) 0621.04.06 OPERATE M SERIES VEHICLE IN UNUSUAL   6 Pvt   6-F-37
                CONDITIONS

          MOS 0622, Mobile Multichannel Equipment Operator

DUTY AREA 01 - COMMUNICATIONS PLANNING

 1) 0622.01.01 PREPARE TEAM ASSIGNMENT FORM FOR   12 Cpl   6-G-1
                AN/MRC-142 RADIO SET

DUTY AREA 04 - VEHICLE OPERATIONS

 6) 0622.04.06 OPERATE M SERIES VEHICLE IN UNUSUAL   6 Pvt   6-G-10
                CONDITIONS

          MOS 0623, Transportable Multichannel Equipment Operator

DUTY AREA 01 - COMMUNICATIONS PLANNING

 3) 0623.01.03 DETERMINE OPTIMUM MODE OF PROPAGATION   12 PFC   6-H-2
                FOR AN/TRC-170(V)5

DUTY AREA 04 - VEHICLE OPERATIONS

 6) 0623.04.06 OPERATE M SERIES VEHICLE IN UNUSUAL   6 Pvt   6-H-12
                CONDITIONS

Appendix A to
ENCLOSURE (7)

SEQ TASK   TITLE   CORE FLC DL PST SUS REQ BY PAGE

MOS 0624, High Frequency Communications Central Operator

DUTY AREA 02 - COMMUNICATIONS OPERATION

 3) 0624.02.03 PERFORM OPERATOR CORRECTIVE MAINTENANCE   12 PFC   6-I-3
               ON AN/TSC-120

DUTY AREA 03 - VEHICLE OPERATIONS

 6) 0624.03.06 OPERATE M SERIES VEHICLE IN UNUSUAL   6 Pvt   6-I-9
               CONDITIONS

MOS 0626, Fleet SATCOM Terminal Operator

     There are no MOJT tasks assigned to any duty areas within this MOS.

MOS 0627, Ground Mobile Forces Satellite Terminal Operator

DUTY AREA 01 - COMMUNICATIONS INSTALLATION

 8) 0627.01.08 PERFORM PREVENTIVE MAINTENANCE (PM) ON   12 PFC   6-K-6
               GLOBAL MOBILE FORCE (GMF) TACTICAL
               SATELLITE (TACSAT) EQUIPMENT

DUTY AREA 02 - COMMUNICATIONS OPERATION

 5) 0627.02.05 PERFORM PREVENTIVE MAINTENANCE (PM) ON   12 PFC   6-K-11
               GLOBAL MOBILE FORCE (GMF) TACTICAL
               SATELLITE (TACSAT) ANTENNA

MOS 0629, Radio Chief

DUTY AREA 01 - COMMUNICATIONS PLANNING

 9) 0629.01.09 PLAN FLEET SATELLITE COMMUNICATIONS   12 Sgt   6-L-7
               (SATCOM) FOR MARINE AIR GROUND TASK
               FORCE (MAGTF)
10) 0629.01.10 PLAN FOR GLOBAL MOBILE FORCE (GMF)   12 Sgt   6-L-8
               SATELLITE COMMUNICATIONS (SATCOM)
11) 0629.01.11 PREPARE CREW ASSIGNMENT WORKSHEET FOR   12 Sgt   6-L-8
               AN/TRC-170(V)5

DUTY AREA 02 - COMMUNICATIONS INSTALLATION

 4) 0629.02.04 SUPERVISE EXECUTION OF RADIO   12 Sgt   6-L-12
               COMMUNICATION PLAN

MOS 0648, Radio Frequency Management Technician

                                                       Appendix A to
                                                       ENCLOSURE (7)

SEQ TASK   TITLE   CORE FLC DL PST SUS REQ BY PAGE

        There are no MOJT tasks assigned to any duty areas within this MOS.

                MOS 0651, Information Systems Specialist

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS OPERATION

6) 0651.02.06 OPERATE UNIX OPERATING SYSTEM   12 Pvt   6-N-11
7) 0651.02.07 OPERATE DEFENSE MESSAGE SYSTEM (DMS)   12 Pvt   6-N-12
8) 0651.02.08 PERFORM OPERATOR/MAINTAINER PROCEDURES   6 Pvt   6-N-12
              FOR AN/MSC-63A COMMUNICATION CENTRAL

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

3) 0651.03.03 MAINTAIN AUTHORIZED SOFTWARE   6 PFC   6-N-15
4) 0651.03.04 PERFORM LIMITED TECHNICAL INSPECTION   12 LCpl   6-N-15
              (LTI) ON COMPUTER EQUIPMENT

                MOS 0659, Information Systems Chief

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

5) 0659.03.05 SUPERVISE OPERATION OF AN/MSC-63A   12 SSgt   6-O-11
6) 0659.03.06 SUPERVISE SYSTEM BACKUP/RECOVERY   12 SSgt   6-O-12

                MOS 0661, Data Network Systems Specialist

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

4) 0661.02.04 INSTALL NETWORK MANAGEMENT SYSTEMS   12 Cpl   6-P-5

                MOS 0669, Data Network Systems Chief

        There are no MOJT tasks assigned to any duty areas within this MOS.

                MOS 0671, Applications Programmer

DUTY AREA 03 - DATA MANIPULATION

6) 0671.03.06 CREATE A REPORT   12 LCpl   6-R-13

                MOS 0672, Advanced Applications Programmer

        There are no MOJT tasks assigned to any duty areas within this MOS.

                MOS 0679, Applications Software Manager

Appendix A to
ENCLOSURE (7)

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SEQ TASK        TITLE                                    CORE FLC DL  PST SUS REQ BY  PAGE
```
There are no MOJT tasks assigned to any duty areas within this MOS.

MOS 0681, Information Security Technician

DUTY AREA 01 – COMMUNICATION INFORMATION SYSTEM SUPPORT PLANNING

```
 4) 0681.01.04 DEVELOP COMSEC JOINT CONTINGENCY                   12 MGySgt 6-U-3
               OPERATIONS DRAFT PLAN
 5) 0681.01.05 VALIDATE COMSEC KEYMAT MODIFICATION OF              3 MSgt   6-U-4
               ALLOWANCE (MOA)
```

DUTY AREA 02 – COMMUNICATION INFORMATION SYSTEMS INSTALLATION

```
 1) 0681.02.01 PERFORM IMMEDIATE SUPERIOR IN COMMAND              12 MSgt   6-U-5
               (ISIC) FUNCTION
```

DUTY AREA 04 – COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

```
 9) 0681.04.09 INSTRUCT PERSONNEL IN COMSEC                        6 SSgt   6-U-14
10) 0681.04.10 TRAIN LOCAL ELEMENT (LE)                           12 SSgt   6-U-15
```


MOS 0689, Information Assurance Technician

DUTY AREA 01 – RISK MANAGEMENT

```
 6) 0689.01.06 PERFORM ACCREDITATION PROCESS                       9 Sgt    6-V-4
```

DUTY AREA 02 – SECURITY POLICIES AND PROCEDURES

```
 6) 0689.02.06 DEVELOP/EXECUTE LOCAL INFORMATION                   6 SSgt   6-V-8
               SECURITY (INFOSEC) POLICY
```

DUTY AREA 03 – NETWORK SYSTEMS SECURITY

```
 5) 0689.03.05 PERFORM SYSTEM AUDITING                             6 Sgt    6-V-11
```

DUTY AREA 04 – COMMUNICATION INFORMATION SYSTEMS MAINTENANCE

```
 1) 0689.04.01 MONITOR PHYSICAL SECURITY ENVIRONMENT               6 SSgt   6-V-13
 2) 0689.04.02 MONITOR SECURITY SYSTEM                             6 GySgt  6-V-13
```

DUTY AREA 05 – COMMUNICATION INFORMATION SYSTEMS PERSONNEL TRAINING

```
 3) 0689.05.03 INSTRUCT PERSONNEL IN PHYSICAL SECURITY             6 SSgt   6-V-16
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MOS 0691, Operational Communications Chief

DUTY AREA 02 – COMMUNICATION INFORMATION SYSTEMS INSTALLATION

```
 3) 0691.02.03 DIRECT EMPLOYMENT OF AN/TSQ-158(V)4               12 GySgt  6-W-8
               EPLRS NCS
```

SEQ TASK   TITLE   CORE FLC DL PST SUS REQ BY PAGE

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

 9) 0691.03.09 ENFORCE ADHERENCE TO COMSEC PROCEDURES   12 MGySgt 6-W-13
10) 0691.03.10 MONITOR INTERNAL CORRESPONDENCE   6 MSgt   6-W-14

                    MOS 0699, Communications Information Systems Chief

DUTY AREA 02 - COMMUNICATION INFORMATION SYSTEMS INSTALLATION

 3) 0699.02.03 DIRECT EMPLOYMENT OF AN/TSQ-158(V)4   12 GySgt 6-X-8
               EPLRS NCS

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATION

 9) 0699.03.09 ENFORCE ADHERENCE TO COMSEC PROCEDURES   12 MGySgt 6-X-15
10) 0699.03.10 MONITOR INTERNAL CORRESPONDENCE   6 MSgt   6-X-15

Appendix A to
ENCLOSURE (7)

INDIVIDUAL TRAINING STANDARDS SUPPORTED BY DISTANCE LEARNING PRODUCTS

This appendix includes a summary listing of all ITS tasks that have at least one currently available or planned distance learning (DL) product associated with them. They are grouped by MOS and Duty Area.

SEQ TASK   TITLE   CORE FLC DL   PST SUS REQ BY PAGE

MOS 0600, Basic Communications Information Systems Marine

DUTY AREA 03 - COMMUNICATION INFORMATION SYSTEMS OPERATIONS

 2) 0600.03.02 PERFORM COMMUNICATIONS SECURITY (COMSEC) X   X   X   6 Pvt   6-A-7
               PROCEDURES

MOS 0612, Field Wireman

DUTY AREA 03 - OPERATIONAL SWITCHBOARD

 1) 0612.03.01 INSTALL THE SB-3659   X   X   X   12 Pvt   6-B-13

MOS 0613, Construction Wireman

  There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0614, Unit Level Circuit Switch Operator

  There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0619, Wire Chief

  There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0621, Field Radio Operator

  There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0622, Mobile Multichannel Equipment Operator

  There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0623, Transportable Multichannel Equipment Operator

Appendix B to
ENCLOSURE (7)

SEQ TASK   TITLE   CORE FLC DL PST SUS REQ BY PAGE
      There are no Distance Learning Products attached to any duty areas within this MOS.

                    MOS 0624, High Frequency Communications Central Operator

      There are no Distance Learning Products attached to any duty areas within this MOS.

                         MOS 0626, Fleet SATCOM Terminal Operator

      There are no Distance Learning Products attached to any duty areas within this MOS.

                    MOS 0627, Ground Mobile Forces Satellite Terminal Operator

      There are no Distance Learning Products attached to any duty areas within this MOS.

                              MOS 0629, Radio Chief

      There are no Distance Learning Products attached to any duty areas within this MOS.

                    MOS 0648, Radio Frequency Management Technician

      There are no Distance Learning Products attached to any duty areas within this MOS.

                         MOS 0651, Information Systems Specialist

      There are no Distance Learning Products attached to any duty areas within this MOS.

                          MOS 0659, Information Systems Chief

      There are no Distance Learning Products attached to any duty areas within this MOS.

                       MOS 0661, Data Network Systems Specialist

      There are no Distance Learning Products attached to any duty areas within this MOS.

                          MOS 0669, Data Network Systems Chief

      There are no Distance Learning Products attached to any duty areas within this MOS.

                          MOS 0671, Applications Programmer

      There are no Distance Learning Products attached to any duty areas within this MOS.

                       MOS 0672, Advanced Applications Programmer

Appendix B to
ENCLOSURE (7)

There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0679, Applications Software Manager

There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0681, Information Security Technician

There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0689, Information Assurance Technician

There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0691, Operational Communications Chief

There are no Distance Learning Products attached to any duty areas within this MOS.

MOS 0699, Communications Information Systems Chief

There are no Distance Learning Products attached to any duty areas within this MOS.

Appendix B to
ENCLOSURE (7)

INDIVIDUAL TRAINING STANDARDS SUPPORTED BY PERFORMANCE SUPPORT TOOLS

There are no performance support tools assigned to any tasks in this order.

Appendix C to
ENCLOSURE (7)